## This sheet contains relevant information about most of the other sheets in this Google Spreadsheet

| Sheet name | Notes | |
|---|---|---|
| **Computational Rep_4Q: Lo minus Hi (n=50)(47)** | Since the "domindf" (presumably "dominance difference") scores from the original data set were calculated from sums of 4 Qs (not 2 as described in the paper), I tried following the 4Q sums provided in the dataset and the Lo minus High calculation stated in the paper | |
| | 0.041 | Pearson correlation, n=50 |
| | -0.063 | Spearman correlation, n=50 |
| | 0.133 | Pearson correlation, n=47 (excluding dyads for which there was no Hi or Lo person, since their status discrepancy was 0) |
| | 0.085 | Spearman correlation, n=47 (excluding dyads for which there was no Hi or Lo person, since their status discrepancy was 0) |
| | None of these are statistically significant, as the lowest of the *p*-values for these 4 correlations was *p*=0.37 | |
| | They reported a correlation of -0.30, so none of these numbers support the idea that they subtracted Lo minus Hi using the 4Q "domindf" scores listed in the dataset (See sheet: "Data relevant to FPS/Status: Organized" for details) | |
| | | |
| **Computational Rep_4Q: P1 minus P2 (n=50)** | Calculated correlation using the "domindf" (presumably "dominance difference") scores from the original data set, which were calculated as P1 minus P2, with individual scores being the sum of 4 Qs, not 2 as described in the paper | |
| | -0.293 | Pearson correlation, n=50 |
| | -0.390 | Spearman correlation, n=50 |
| | Both of these are statistically significant at the *p*<0.05 level | |
| | They reported -0.30, so these numbers support the idea that they subtracted P1 minus P2, though the correlation is not exactly replicated (-0.293 vs. -0.30), and the Cohen's *d* is slightly off as well (-0.61 vs. their reported -0.62, which can not be achieved through truncating or rounding) | |
| | | |
| **Computational replication: Lo minus Hi (n=50)(41?)** | Calculated dominance differences as they described in their paper: "For each pair, relative power was computed by subtracting the self-rating of power of the higher rated member of the pair from the member with the lower rated power" (p. 9) | |
| | But the "domindif" and "idif" columns in their data are the result of subtracting P2's values from P1's (power and FPS). To see which method might have been used, I checked what they said in the paper first. The following correlation coefficients are between discrepancies that were calculated by subtracting the higher-scoring person's values from the lower-scoring person's (power and FPS): | |
| | -0.036 | Pearson correlation, n=50 |
| | -0.114 | Spearman correlation, n=50 |
| | -0.077 | Pearson correlation, n=41 (removing the dyads who self-reported the same power) |
| | -0.139 | Spearman correlation, n=41 (removing the dyads who self-reported the same power) |
| | They reported -0.30, so none of these numbers support the idea that they calculated dominance discrepancies by subtracting the higher-rated person's rating from the lower-rated person's | |
| | | |
| **Computational replication: P1 minus P2 (n=50)** | Recalculating the independent variable (status/dominance difference) with the 2 questions listed in their paper and calculating discrepancies by subtracting P2's values from P1's: | |
| | I was able to replicate the reported correlation of -0.30. | |
| | I was able to replicate the reported significance at 0.01 ≤ *p* ≤ 0.05 (*p* = 0.03) | |
| | I was able to replicate the reported effect size at -0.62, though only by truncating, rather than rounding, the result (and the Cohen's *d* from the 4Q:P1-P2 version didn't get any closer) | |
| | | |
| **Understanding dominance scores** | Using participant self-reports to calculate their perceived dominance differences | |
| | | |
| **Understanding dominance agreement** | For each question used, agreement is calculated from individual responses on 7-point Likert scale, in a zero-sum measurement | |
| | Agreement of 8<br>= perfect agreement | Dyads in perfect agreement sum to 8<br>E.g., A says they rate 7/7, meaning they believe B to be 1/7. If B agrees, their summed score is 7+1 = 8.<br>E.g., A and B both believe themselves to be 4s, their summed score is 4+4 = 8. |
| | Agreement of 7 or 9<br>= reasonable agreement | Dyads who mostly agree sum to either 7 or 9<br>E.g., A reports they are a 7/7, believing B to be 1/7, but B reports they a 2/7; 7+2 = 9.<br>E.g., A reports they are a 4/7, believing B to also be a 4/7, but B reports they are a 5/7; 4+5 = 9.<br>E.g., A reports they are a 4/7, believing B to also be a 4/7, but B reports they are a 3/7; 4+3 = 7. |
| | Agreement of 6 or 10<br>= disagreement | Dyads who disagree, but not in an extreme way, sum to 6 or 10<br>E.g., They both think themselves a bit higher than the other<br>E.g., A thinks they're both equal; B thinks themself significantly higher<br>E.g., Agree who is higher, but to very different degrees // A thinks themself a bit lower, so B a bit higher; B thinks themself highest possible |
| | Agreement of <6 or >10<br>= extreme disagreement | Dyads who are in extreme disagreement sum to either less than 6 or more than 10<br>E.g., Disgree who is higher, and to what degree // A thinks themself a bit higher; B thinks themself even higher<br>E.g., Equal vs extreme dif // A thinks they're equal; B thinks themself highest possible |
| | | |
| | Determining agreement based on the 2 questions used | Calculated which dyads have a reliable dominance variable to justify including them in the correlation of [dominance discrepancies] and [FPS rate discrepancies] |
| | | Four of the 50 dyads were in complete agreement on both dominance questions used by the original authors. Of these 4 dyads, 2 agreed that they were equal. |
| | | 15 of the 50 dyads either [completely agreed] or [mostly agreed] on both dominance questions used by the original authors |
| | | I was unable to reproduce the correlation coefficient of -.46. "Consistent with Study 2, there was high agreement within each pair regarding who had higher power r(48) = −.46, p< .01." (p.9) |

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| **Checking dominance agreement** | Attempting to reproduce their reported agreement correlations | The 2 Qs they used for status, including all individual responses:<br>Pearson = 0.03 (Spearman = 0.05) |
| | | The 4 Qs I thought they used, including all individual responses:<br>Pearson = -0.453 (Spearman = -0.406) |
| | | The 4 Qs I thought they used, with scores summed per person (i.e., as calculated in their original data set)<br>Pearson = -0.441 (Spearman = -0.451) |
| | | Actual dominance Q (one of the 4Qs it looked like they used but didn't):<br>Pearson = -0.270 (Spearman = -0.233) |
| | | Actual control Q (one of the 4Qs it looked like they used but didn't):<br>Pearson = -0.453 (Spearman = -0.425) |
| | | |
| **Refining:<br>Lo minus Hi (n=11)** | Results including dyads that [completely agreed] or [mostly agreed], following the procedure as described in their paper (Lo minus Hi, p.9): | |
| | In dyads who self-reported the same dominance score, subtracting participants' FPS scores from one another produces FPS discrepancies that are neither positive or negative (i.e., FPS discrepancies were absolute values). To avoid introducing noise, the three dyads who self-reported the same dominance score were excluded, resulting in n=11 | |
| | | |
| **Refining:<br>P1 minus P2 (n=14)** | I started with only the 14 dyads who either [completely agreed] or [mostly agreed] on both dominance questions used by the original authors. | |
| | In dyads who self-reported the same dominance score, the order of P1 minus P2 is essentially randomized already, so there is no issue with including dyads who had a status discrepancy of zero. | |
| | | |
| **Data Viz (n=14)** | This sheet contains a line chart for each of the 14 dyads who either [completely agreed] or [mostly agreed] on both dominance questions, showing their individual FPS usage rates plotted against their individual relative status scores. Those who self-reported the same value were included here because discrepancy calculations were not needed for these visualizations; those dyads can be seen in the charts as the three with completely vertical lines (though one of them is more of a dot, since their FPS values were extremely similar) | |
| | This style of visualization is referred to as "small multiples," a la Edward Tufte | |
| | There is also a line chart for a hypothetical dyas who fit the prediction, for reference as to what type of shape might be expected under the hypothesis that H individuals will use fewer FPS pronouns | |
| | | |
| **Did H use fewer FPS? (n=11)** | Excluded dyads who [completely agreed] or [mostly agreed] that they were equal, as there would be no H or L | |
| | The prediction was uphead about 2/3 of the time: Higher status participants used a lower rate of FPS pronouns about 63.6% of the time (7 out of 11 dyads) | |
| | The prediction was contradicted about 1/3 of the time: Higher status participants used a higher rate of FPS pronouns about 36.4% of the time (4 out of 11 dyads) | |
| | -4.86 to 4.68 = 9.54 | FPS rate discrepancies range |
| | 0.24 | FPS rate discrepancies mean (on average, H and L's FPS rates differed by this many percentage points; "H used 5.00% FPS, and L used 5.24%") |
| | 0.16 | FPS rate discrepancies median (at the median, H and L's FPS rates differed by this many percentage points; "H used 5.00% FPS, and L used 5.16%") |
| | | |
| **Counting missing data points in Original Data** | Copied over the entire data set to count missing data points before the reorganization sheet | |
| | The original paper says they excluded two dyads "because of a computer error," but of the 50 dyads in the dataset, the four dyads with missing data points (**blank cells highlighted in red**) are missing 6, 7, 13, and 28 points, respectively. Of these, they do not appear missing any FPS pronoun data or data that appears to have been used in the status calculations (reported or otherwise), so it is unclear which two of the four might have been excluded from these 50. The degrees of freedom for the agreement calculation they listed shows they used (n-2)=48, suggesting they may have actually collected data from 52 dyads, and used 50. But then the k statistic makes it look like they used 49 dyads, so still unsure. | |
| | | |
| **LOCKED. Data relevant to FPS/Status: Organized** | Data was copied over from the original (see below), and then organized within this sheet. | |
| | The four dyads with missing data points (**blank cells highlighted in red**) in this subset of coloumns (317 out of 343 total columns) show the same missing data points in the full data set described above | |
| | At the top-left of this sheet, there are 3 row headers: | |
| | **Kace column:** | The letter of the corresponding column in the original data, where applicable. Other columns were added by me and marked as such |
| | **Kace label:** | The name of the corresponding column in the original data |
| | **Kiva label:** | The label I assigned to this column, as either (1) an interpretation of the original data, or (2) my own label for a column I created |
| | | |
| | Dividing line between pairs 25 and 31 divide gender-matched, i.e., "same-sex pairs" (Kacewicz et al., 2013, p. 9) | |
| | Pairs 1-25 (sex 2; appears to be female, e.g., 7_4h "I'm from Plano, Dallas girl", 29_15L "I wanted to be in a sorority") | |
| | Pairs 31-55 (sex 1; appears to be male from the chats (e.g., 80_45h "she's always like yeah you are my boyfriend and I am your girlfriend," "I am a car guy you know?")) | |
| | Some identifying info is still in the chat transcripts (some is redacted), so not sharing the actual transcripts | |
| | | |
| | Kace say they used participant responses to two quesitons to determine each person's self-reported status rating: " 'To what degree did you control the conversation,' and 'to what degree did you have power in the conversation?' where 1 = not at all and 7 = a great deal" (p. 7). The question wording is provided in the description of Study, 2, then Study 3 is described as follows: "They then completed the same postquestionnaire (IRQ) as in Study 2. Analyses were identical to those used in Study 2" (p. 9) | |
| | Note 1: Number of questions - Their paper says there were **38** questions, but the document Pennebaker originally shared included one section with 15 numbered questions and two additional items that each request 2 responses; this comes to a total of **15, 17, or 19**. I asked Pennebaker if there was another IRQ, and he responded with a few more options, saying "I'm sending you all of my IRQ versions." Of these, the only other viable option is a copy of the original I received with two more sections added. This IRQ is linked below, including one section with 15 numbered questions, two sections with 11 questions each, and two additional items that each request 2 responses. This comes to a total of **37, 39, or 41**. | |

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| Note 2: "Power" - There are no questions on the IRQ that ask about power in the first version that I received. The second version includes a question that says "To what degree did you have more status or power than your partner in the conversation?" | |
| The discrepancies in Note 1 (wording) and Note 2 (number of questions) above indicate that there is reason to believe that a slightly different version of the IRQ may have been used. | |
| IRQ shared by Pennebaker (personal communication, Jan 20, 2024) | |
| Looking at the "domin" scores in the data, I reconstructed how these were calculated using the IRQ responses. It appears the "domin" scores came from the combination of 4 IRQ items, not 2: | |
| Column FH "actctrl" | From IRQ: "percentage of control you had in the conversation"<br>1 - "I controlled the conversation"<br>4 - "We had equal control"<br>7 - "My partner controlled the conversation" |
| Column FI "actdom" | From IRQ: "degree to which you dominated the conversation"<br>1 - "I dominated conversation" [sic]<br>4 - "Neither of us dominated"<br>7 - "My partner dominated the conversation" |
| Column FM "irq4" | From IRQ: "4. To what degree did you control the conversation?" |
| Column FW "irq15" | From IRQ: "15. To what degree did you have more status than your partner in the conversation?" (note: their paper says the questions is about "power" (see above), but this is about "status") |
| Participant responses to these 4 questions equal the "domin" scores, with one exception out of 100 participants (the exeption is at a difference of one point, seen with the **FALSE** designation) | |
| Calculating correlations with these 4 questions results in a similar correlation coefficient (-0.29) to the one that was reported (-0.30), but off by 0.01. | |
| Maybe "NewDomin.spo" from Study 2 (IM) will shead some light once I can find a way to open it? | |
| Following their narrative in the paper, using "irq4" and "irq15," results in an exact match for the correlation coefficient: -0.30 -- See sheet: "Running Kace's FPS Data: Their Way (n=50)" | |

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| "domindif" | Simple difference in dominance scores; P1 minus P2 |
| "dom2x" | Simple differences split into two groups, based on direction of discrepancy:<br>Discrepancies greater than zero = 1,<br>Discrepancies of zero or lower = 0 |
| "dom3x" | Simple differences split into three groups, based on direction and degree of discrepancy:<br>Minimal differences of one to three points, positive or negative = 1;<br>Discrepancies lower than negative three = 0;<br>Discrepancies higher than postive three = 2 |
| "sub" | Presumably "subject" |
| **bold rows** | There are 4 dyads where "sub" and "sub1" are different people: Dyads 19, 25, 40, 42. The dominance scores calculate such that the IRQ responses follow "sub1" and "sub 2" designations. The 4 exceptions do not line up with any discernable pattern (e.g., directionality of status relationships). |
| FF - WW | IRQ responses from Participant 1 |
| HG - HV | IRQ responses from Participant 2 (also coded as "b" by Kace) |

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|---|---|
| JG "dwc" | This matches Kace column FC "wcdif" |
| JN "di" | This matches Kace column FB "idif" |
| JF "domdif" | Unclear where this comes from |

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| Kace's FX-HF | These are responses from Participant A (i.e., Participant 1) from the two 11-item sections on the IRQ linked above. One asks participants to rate their partner, and the other asks them to rate themselves. Unclear what the "final" and "fac" sections are |
| Kace's HW-JE | Same as FX-HF but for Participant B |

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| **LOCKED. Original Data - ChairDom (masterws.sav)** | Original data shared by Pennebaker (personal communication, Oct 25, 2021) |
| | This has not been altered in any way, and the column letters and names are referenced in the rest of the sheets |

| Kace column >> | C | A | B | FN | FI | FM | FW | Kiva added |
|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | actdot1 | actdom | inq4 | inq15 | |
| Kiva label >> | | Participant 1 (P1) | Participant 2 (P2) | actual control | actual dominance | INQ Q4 | INQ Q15 | 4Q dom score |
| Notes | Dyad # | | | | | | | |
| | 1 | 2 | 1 | 4 | 4 | 4 | 1 | 13 |
| | 2 | 3 | 4 | 4 | 4 | 3 | 4 | 15 |
| | 3 | 6 | 5 | 4 | 4 | 4 | 2 | 14 |
| | 4 | 7 | 8 | 5 | 4 | 6 | 6 | 21 |
| | 5 | 9 | 10 | 5 | 6 | 5 | 4 | 20 |
| | 6 | 12 | 11 | 4 | 4 | 4 | 2 | 14 |
| | 7 | 14 | 13 | 4 | 4 | 4 | 4 | 16 |
| | 8 | 15 | 16 | 5 | 4 | 5 | 5 | 19 |
| | 9 | 18 | 17 | 4 | 5 | 7 | 1 | 17 |
| | 10 | 19 | 20 | 4 | 4 | 6 | 2 | 16 |
| | 11 | 21 | 22 | 5 | 4 | 5 | 5 | 19 |
| | 12 | 23 | 24 | 4 | 4 | 4 | 5 | 17 |
| | 13 | 25 | 26 | 4 | 6 | 5 | 2 | 17 |
| | 14 | 28 | 27 | 5 | 7 | 7 | 6 | 25 |
| | 15 | 30 | 29 | 5 | 5 | 4 | 5 | 19 |
| | 16 | 32 | 31 | 4 | 7 | 4 | 7 | 22 |
| | 17 | 33 | 34 | 5 | 5 | 6 | 2 | 18 |
| | 18 | 35 | 36 | 3 | 3 | 5 | 1 | 12 |
| | 19 | 36 | 37 | 5 | 4 | 5 | 1 | 15 |
| | 20 | 40 | 39 | 4 | 4 | 4 | 3 | 15 |
| | 21 | 42 | 41 | 4 | 4 | 4 | 4 | 16 |
| | 22 | 43 | 44 | 4 | 4 | 5 | 4 | 17 |
| | 23 | 46 | 45 | 3 | 3 | 4 | 1 | 11 |
| | 24 | 48 | 47 | 5 | 5 | 5 | 2 | 17 |
| | 25 | 49 | 50 | 4 | 4 | 5 | 1 | 15 |
| | 31 | 51 | 52 | 4 | 4 | 4 | 4 | 16 |
| | 32 | 53 | 54 | 3 | 4 | 3 | 4 | 14 |
| | 33 | 56 | 55 | 4 | 5 | 4 | 1 | 14 |
| | 34 | 58 | 57 | 4 | 3 | 4 | 4 | 15 |
| | 35 | 59 | 60 | 6 | 6 | 5 | 5 | 22 |
| | 36 | 61 | 62 | 3 | 4 | 3 | 1 | 11 |
| | 37 | 63 | 64 | 3 | 4 | 4 | 4 | 15 |
| | 38 | 66 | 65 | 4 | 2 | 4 | 4 | 14 |
| | 39 | 68 | 67 | 4 | 5 | 4 | 4 | 17 |
| | 40 | 69 | 70 | 4 | 4 | 4 | 4 | 16 |
| | 41 | 71 | 72 | 6 | 6 | 6 | 5 | 23 |
| | 42 | 74 | 73 | 3 | 3 | 4 | 3 | 13 |
| | 43 | 76 | 75 | 5 | 6 | 6 | 5 | 22 |
| | 44 | 77 | 78 | 4 | 4 | 4 | 2 | 14 |
| | 45 | 80 | 79 | 7 | 7 | 5 | 6 | 25 |
| | 46 | 81 | 82 | 3 | 3 | 3 | 3 | 12 |
| | 47 | 84 | 83 | 4 | 4 | 5 | 2 | 15 |
| | 48 | 85 | 86 | 3 | 3 | 3 | 1 | 10 |
| | 49 | 87 | 88 | 4 | 4 | 4 | 1 | 13 |
| | 50 | 90 | 89 | 5 | 4 | 6 | 1 | 16 |
| | 51 | 92 | 91 | 3 | 4 | 4 | 2 | 13 |
| | 52 | 94 | 93 | 3 | 5 | 3 | 5 | 16 |
| | 53 | 96 | 95 | 4 | 4 | 4 | 2 | 14 |
| | 54 | 97 | 98 | 6 | 6 | 5 | 5 | 22 |
| | 55 | 99 | 100 | 4 | 5 | 5 | 5 | 19 |
| # blank cells: | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

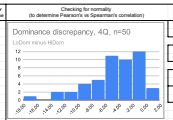
| E | Kiva added | HG | HH | HL | HV | Kiva added | F | Kiva added |
|---|---|---|---|---|---|---|---|---|
| domin1 | | actdot5 | actdom5 | inq6 | inq15b | | domin2 | |
| Kace's dominance score (x-axis) | My cac = Kace? | actual control | actual dominance | INQ Q4 | INQ Q15 | 4Q dom score | Kace's dominance score (y-axis) | My cac = Kace? |
| 13 | TRUE | 6 | 6 | 5 | 5 | 22 | 22 | TRUE |
| 15 | TRUE | 5 | 6 | 5 | 4 | 20 | 20 | TRUE |
| 14 | TRUE | 4 | 6 | 3 | 2 | 15 | 15 | TRUE |
| 21 | TRUE | 2 | 5 | 4 | 3 | 14 | 14 | TRUE |
| 20 | TRUE | 3 | 4 | 3 | 1 | 11 | 11 | TRUE |
| 14 | TRUE | 5 | 5 | 4 | 2 | 16 | 16 | TRUE |
| 16 | TRUE | 3 | 4 | 4 | 1 | 12 | 12 | TRUE |
| 19 | TRUE | 4 | 4 | 4 | 1 | 13 | 13 | TRUE |
| 17 | TRUE | 1 | 2 | 3 | 3 | 9 | 9 | TRUE |
| 22 | TRUE | 6 | 5 | 5 | 6 | 22 | 22 | TRUE |
| 19 | TRUE | 4 | 4 | 6 | 5 | 19 | 19 | TRUE |
| 17 | TRUE | 3 | 4 | 4 | 4 | 15 | 15 | TRUE |
| 17 | TRUE | 5 | 4 | 5 | 1 | 15 | 15 | TRUE |
| 25 | TRUE | 2 | 4 | 4 | 1 | 11 | 11 | TRUE |
| 19 | TRUE | 4 | 4 | 5 | 4 | 17 | 17 | TRUE |
| 22 | TRUE | 2 | 3 | 4 | 4 | 13 | 13 | TRUE |
| 18 | TRUE | 3 | 4 | 4 | 4 | 15 | 15 | TRUE |
| 12 | TRUE | 5 | 5 | 4 | 1 | 15 | 15 | TRUE |
| 15 | TRUE | 4 | 4 | 5 | 1 | 14 | 14 | TRUE |
| 19 | TRUE | 5 | 4 | 5 | 5 | 19 | 19 | TRUE |
| 14 | TRUE | 4 | 4 | 3 | 3 | 14 | 14 | TRUE |
| 17 | TRUE | 5 | 4 | 4 | 1 | 14 | 14 | TRUE |
| 11 | FALSE | 4 | 4 | 5 | 3 | 16 | 16 | TRUE |
| 17 | TRUE | 5 | 6 | 4 | 3 | 18 | 18 | TRUE |
| 15 | TRUE | 3 | 5 | 5 | 5 | 18 | 18 | TRUE |
| 16 | TRUE | 4 | 4 | 4 | 1 | 13 | 13 | TRUE |
| 14 | TRUE | 6 | 4 | 6 | 5 | 21 | 21 | TRUE |
| 15 | TRUE | 4 | 4 | 4 | 4 | 16 | 16 | TRUE |
| 22 | TRUE | 3 | 3 | 3 | 3 | 12 | 12 | TRUE |
| 11 | TRUE | 6 | 6 | 7 | 5 | 24 | 24 | TRUE |
| 15 | TRUE | 4 | 4 | 4 | 2 | 14 | 14 | TRUE |
| 14 | TRUE | 5 | 4 | 4 | 4 | 17 | 17 | TRUE |
| 17 | TRUE | 6 | 5 | 6 | 5 | 22 | 22 | TRUE |
| 16 | TRUE | 6 | 6 | 6 | 4 | 22 | 22 | TRUE |
| 23 | TRUE | 1 | 1 | 1 | 2 | 5 | 5 | TRUE |
| 13 | TRUE | 6 | 5 | 4 | 4 | 19 | 19 | TRUE |
| 22 | TRUE | 6 | 5 | 5 | 5 | 21 | 21 | TRUE |
| 14 | TRUE | 4 | 2 | 4 | 4 | 14 | 14 | TRUE |
| 25 | TRUE | 3 | 3 | 4 | 4 | 14 | 14 | TRUE |
| 12 | TRUE | 6 | 4 | 5 | 4 | 19 | 19 | TRUE |
| 15 | TRUE | 4 | 4 | 4 | 3 | 15 | 15 | TRUE |
| 10 | TRUE | 3 | 4 | 3 | 4 | 14 | 14 | TRUE |
| 13 | TRUE | 5 | 6 | 3 | 3 | 19 | 19 | TRUE |
| 16 | TRUE | 4 | 4 | 4 | 3 | 15 | 15 | TRUE |
| 13 | TRUE | 7 | 5 | 7 | 6 | 25 | 25 | TRUE |
| 16 | TRUE | 6 | 7 | 6 | 4 | 23 | 23 | TRUE |
| 14 | TRUE | 5 | 5 | 4 | 3 | 17 | 17 | TRUE |
| 22 | TRUE | 5 | 4 | 5 | 3 | 17 | 17 | TRUE |
| 19 | TRUE | 4 | 4 | 4 | 3 | 15 | 15 | TRUE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Q | CM |
|---|---|
| I1 | I2 |
| FN FPS (pinkish cells (% of cells)) | F2N, FPS (pinkish cells (% of cells)) |

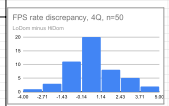
| Kiva added | | | | |
|---|---|---|---|---|
| Higher dominance score ("H") | Lower dominance score ("Lo") | Discrepancy in dominance scores (Lo-Hi) | Rank, for Spearman | |
| 22 | 13 | -9 | 43 | |
| 20 | 15 | -5 | 27.5 | |
| 15 | 14 | -1 | 7 | |
| 21 | 14 | -7 | 38.5 | |
| 20 | 11 | -9 | 43 | |
| 16 | 14 | -2 | 12 | |
| 16 | 12 | -4 | 23.5 | |
| 19 | 13 | -6 | 33 | |
| 17 | 9 | -8 | 41 | |
| 22 | 16 | -6 | 33 | |
| 19 | 19 | 0 | 2 | |
| 17 | 15 | -2 | 12 | |
| 17 | 15 | -2 | 12 | |
| 25 | 11 | -14 | 49 | |
| 19 | 17 | -2 | 12 | |
| 22 | 13 | -9 | 43 | |
| 16 | 15 | -3 | 18.5 | |
| 15 | 12 | -3 | 18.5 | |
| 15 | 14 | -1 | 7 | |
| 19 | 15 | -4 | 23.5 | |
| 16 | 14 | -2 | 12 | |
| 17 | 14 | -3 | 18.5 | |
| 16 | 10 | -6 | 33 | |
| 18 | 17 | -1 | 7 | |
| 18 | 15 | -3 | 18.5 | |
| 16 | 13 | -3 | 18.5 | |
| 21 | 14 | -7 | 38.5 | |
| 20 | 14 | -6 | 33 | |
| 16 | 15 | -1 | 7 | |
| 22 | 12 | -10 | 45 | |
| 24 | 11 | -13 | 48 | |
| 15 | 14 | -1 | 7 | |
| 17 | 14 | -3 | 18.5 | |
| 22 | 17 | -5 | 27.5 | |
| 22 | 16 | -6 | 33 | |
| 23 | 5 | -18 | 50 | |
| 19 | 13 | -6 | 33 | |
| 22 | 21 | -1 | 7 | |
| 14 | 14 | 0 | 2 | |
| 25 | 14 | -11 | 46 | |
| 19 | 12 | -7 | 38.5 | |
| 15 | 15 | 0 | 2 | |
| 14 | 10 | -4 | 23.5 | |
| 19 | 13 | -6 | 33 | |
| 16 | 15 | -1 | 7 | |
| 25 | 13 | -12 | 47 | |
| 23 | 16 | -7 | 38.5 | |
| 19 | 14 | -5 | 27.5 | |
| 22 | 17 | -5 | 27.5 | |
| 19 | 15 | -4 | 23.5 | |
| 0 | 0 | 0 | 0 | 0 |

| Kiva added | | | | |
|---|---|---|---|---|
| HiDom's FPS rate (pinkish cells) | LoDom's FPS rate (pinkish cells) | Discrepancy in FPS rate (LoDom-HiDom) | Rank, for Spearman | |
| 5.64 | 6.29 | 0.65 | 24.0 | |
| 7.73 | 9.51 | 1.78 | 11.0 | |
| 6.21 | 7.93 | 1.72 | 12.0 | |
| 6.64 | 10.18 | 3.54 | 3.0 | |
| 5.88 | 6.26 | 0.38 | 27.0 | |
| 8.15 | 8.7 | 0.55 | 25.0 | |
| 8.57 | 8.12 | -0.45 | 41.0 | |
| 6.54 | 5.01 | -1.53 | 47.0 | |
| 8.18 | 8.32 | 0.14 | 32.0 | |
| 9.73 | 13.45 | -3.72 | 50.0 | |
| 7.4 | 7.79 | 0.39 | 40.0 | |
| 7.31 | 7.75 | 0.44 | 26.0 | |
| 6.15 | 6.3 | 0.15 | 31.0 | |
| 7.99 | 8.68 | 0.69 | 23.0 | |
| 7.67 | 12.53 | 4.86 | 1.0 | |
| 6.67 | 7.55 | 0.88 | 19.0 | |
| 8.32 | 6.61 | -1.71 | 49.0 | |
| 7.7 | 7.84 | 0.14 | 35.0 | |
| 6.3 | 9.51 | 3.21 | 4.0 | |
| 11.06 | 6.38 | -4.68 | 2.0 | |
| 9.64 | 9.47 | -0.17 | 37.0 | |
| 7.19 | 6.81 | -0.38 | 39.0 | |
| 6.91 | 6.97 | -0.06 | 33.0 | |
| 7.86 | 8.92 | 1.06 | 46.0 | |
| 8.48 | 9.06 | 0.58 | 44.0 | |
| 4.54 | 6.86 | 2.32 | 8.0 | |
| 7.38 | 7.72 | -0.34 | 38.0 | |
| 4.86 | 6.83 | 1.97 | 10.0 | |
| 6.64 | 8.10 | 1.46 | 14.0 | |
| 7.61 | 7.49 | -0.12 | 34.0 | |
| 8.09 | 6.87 | 1.22 | 15.0 | |
| 5 | 6.09 | 1.09 | 16.0 | |
| 6.24 | 6.39 | 0.15 | 30.0 | |
| 7.68 | 6.07 | 1.61 | 13.0 | |
| 8.93 | 7.83 | -0.90 | 45.0 | |
| 6.73 | 6.29 | -0.44 | 41.0 | |
| 8.42 | 7.68 | 0.74 | 22.0 | |
| 5.1 | 8.15 | 3.05 | 5.0 | |
| 4.1 | 5.77 | 1.67 | 48.0 | |
| 5.93 | 6.97 | 1.04 | 17.0 | |
| 9.85 | 7.63 | 2.22 | 9.0 | |
| 4.1 | 4.64 | 0.54 | 43.0 | |
| 5.36 | 4.36 | 1.00 | 18.0 | |
| 9.35 | 6.31 | 3.04 | 6.0 | |
| 6.39 | 6.70 | 0.31 | 28.0 | |
| 9.03 | 8.28 | 0.75 | 21.0 | |
| 7.04 | 6.89 | 0.15 | 30.0 | |
| 5.72 | 4.92 | 0.80 | 20.0 | |
| 4.84 | 5.02 | 0.18 | 39.0 | |
| 3.87 | 6.47 | 2.60 | 7.0 | |
| 0 | 0 | 0 | 0 | 0.0 |

Checking for normality
(to determine Pearson's vs Spearman's correlation)




| Mean: |
|---|
| 16.44 |
| SD: |
| 4.03 |




| Mean: |
|---|
| 0.70 |
| SD: |
| 1.62 |

Correlation:
Dominance discrepancy = FPS discrepancy

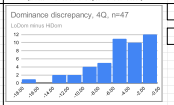
| | | | |
|---|---|---|---|
| Pearson, if had been normally distributed | r | 0.202 | This correlation is not statistically significant at the p<0.05 level |
| 0.04 | p | 0.779 | |
| Spearman, since not normally distributed | r | -0.440 | This correlation is not statistically significant at the p<0.05 level |
| -0.06 | p | 0.662 | |
| Cohen's d, Spearman | | | |
| -0.13 | | | |
| Cohen's d, Pearson | | | |
| 0.08 | | | |

Testing for statistical significance

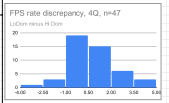
**Kiva added**
**Removing the dyads who reported being equal**

| DomDif who =s | Rank, for Spearman | HiDom's FPS rate (pinkish cells) | LoDom's FPS rate (pinkish cells) | Discrepancy in FPS rate (LoDom-HiDom) | Rank, for Spearman |
|---|---|---|---|---|---|
| -9 | 40 | 5.64 | 6.29 | 0.65 | 24.0 |
| -5 | 24.5 | 7.73 | 9.51 | 1.78 | 11.0 |
| -1 | 4 | 6.21 | 7.93 | 1.72 | 12.0 |
| -7 | 35.5 | 6.64 | 10.18 | 3.54 | 3.0 |
| -9 | 40 | 5.88 | 6.26 | 0.38 | 27.0 |
| -2 | 10 | 8.70 | 8.15 | 0.45 | 25.0 |
| -4 | 20.5 | 8.57 | 8.12 | -0.45 | 41.0 |
| -6 | 30 | 6.54 | 5.01 | -1.53 | 45.0 |
| -6 | 30 | 8.18 | 8.32 | 0.14 | 32.0 |
| -6 | 30 | 13.45 | 9.73 | -3.72 | 47.0 |
| equal | equal | equal | equal | - | - |
| -2 | 10 | 7.31 | 7.75 | 0.44 | 26.0 |
| -2 | 10 | 6.15 | 6.30 | 0.15 | 31.0 |
| -14 | 46 | 7.99 | 8.68 | 0.69 | 23.0 |
| -2 | 10 | 7.67 | 12.53 | 4.86 | 1.0 |
| -9 | 40 | 6.67 | 7.55 | 0.88 | 19.0 |
| -3 | 15.5 | 8.32 | 6.61 | -1.71 | 49.0 |
| -3 | 15.5 | 7.84 | 7.70 | -0.14 | 35.0 |
| -1 | 4 | 6.30 | 9.51 | 3.21 | 4.0 |
| -4 | 20.5 | 6.38 | 11.06 | 4.68 | 2.0 |
| -2 | 10 | 9.64 | 9.47 | -0.17 | 37.0 |
| -3 | 15.5 | 7.19 | 6.81 | -0.38 | 39.0 |
| -6 | 30 | 6.97 | 6.91 | -0.06 | 33.0 |
| -1 | 4 | 8.92 | 7.86 | -1.06 | 46.0 |
| -3 | 15.5 | 9.06 | 8.48 | -0.58 | 44.0 |
| -3 | 15.5 | 4.54 | 6.86 | 2.32 | 8.0 |
| -7 | 35.5 | 7.72 | 7.38 | -0.34 | 38.0 |
| -6 | 30 | 4.86 | 6.83 | 1.97 | 10.0 |
| -1 | 4 | 6.64 | 8.10 | 1.46 | 14.0 |
| -10 | 42 | 7.61 | 7.49 | -0.12 | 34.0 |
| -13 | 49 | 6.87 | 8.09 | 1.22 | 15.0 |
| -1 | 4 | 5.00 | 6.09 | 1.09 | 16.0 |
| -3 | 15.5 | 6.39 | 6.24 | -0.15 | 30.0 |
| -5 | 24.5 | 6.07 | 7.68 | 1.61 | 13.0 |
| -6 | 30 | 7.83 | 6.93 | -0.90 | 45.0 |
| -10 | 47 | 6.73 | 6.29 | -0.44 | 41.0 |
| -6 | 30 | 7.68 | 8.42 | 0.74 | 22.0 |
| -1 | 4 | 5.10 | 8.15 | 3.05 | 5.0 |
| equal | equal | equal | equal | - | - |
| -11 | 43 | 5.93 | 6.97 | 1.04 | 17.0 |
| -7 | 35.5 | 7.63 | 9.85 | 2.22 | 9.0 |
| equal | equal | equal | equal | - | - |
| -4 | 20.5 | 4.36 | 5.36 | 1.00 | 18.0 |
| -6 | 30 | 6.31 | 9.35 | 3.04 | 6.0 |
| -1 | 4 | 6.39 | 6.70 | 0.31 | 28.0 |
| -12 | 44 | 8.28 | 9.03 | 0.75 | 21.0 |
| -7 | 35.5 | 6.89 | 7.04 | 0.15 | 30.0 |
| -5 | 24.5 | 4.92 | 5.72 | 0.80 | 20.0 |
| -5 | 24.5 | 4.84 | 5.02 | 0.18 | 39.0 |
| -4 | 20.5 | 3.87 | 6.47 | 2.60 | 7.0 |
| 0 | 0 | 0 | 0 | 0 | 0.0 |

Checking for normality
(to determine Pearson's vs Spearman's correlation)




| Mean: |
|---|
| -0.08 |
| SD: |
| 3.94782296 |




| Mean: |
|---|
| 0.80 |
| SD: |
| 1.6153063397 |

Correlation:
Dominance discrepancy = FPS discrepancy

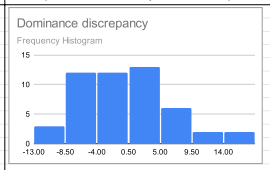
| | | | |
|---|---|---|---|
| Pearson, if normally distributed | r | 0.001 | This correlation is not statistically significant at the p<0.05 level |
| 0.133 | p | 0.372 | |
| Spearman, if not normally distributed | r | 0.070 | This correlation is not statistically significant at the p<0.05 level |
| 0.085 | p | 0.572 | |

Testing for statistical significance

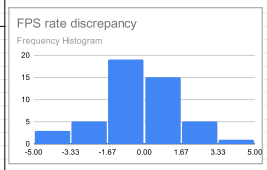
| Kace column >> | C | A | B | FH | FI | FM | FW | Kiva added | E | Kiva added | HG | HH | HL | HV | Kiva added | F | Kiva added | G | *Kiva added* | Q | CM | FB | *Kiva added* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | actctrl | actdom | irq4 | irq15 | | domin1 | | actctrlb | actdomb | irq4b | irq15b | | domin2 | | domindf | | i1 | i2 | idif | |
| Kiva label >> | Dyad # | Participant 1 (P1) | Participant 2 (P2) | actual control | actual dominance | IRQ Q4 | IRQ Q15 | 4Q dom score | Kace's dominance score for P1 | My cac = Kace? | actual control | actual dominance | IRQ Q4 | IRQ Q15 | 4Q dom score | Kace's dominance score for P2 | My cac = Kace? | Discrepancy in dominance scores (P1 minus P2) | *Rank, for Spearman* | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | Discrepancy in FPS pronoun rates (P1 minus P2) | *Rank, for Spearman* |
| Notes | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 1 | 4 | 4 | 4 | 1 | 13 | 13 | TRUE | 6 | 6 | 5 | 5 | 22 | 22 | TRUE | -9 | *48* | 6.29 | 5.64 | 0.65 | *16* |
| | 2 | 3 | 4 | 4 | 4 | 3 | 4 | 15 | 15 | TRUE | 5 | 6 | 5 | 4 | 20 | 20 | TRUE | -5 | *37* | 9.51 | 7.73 | 1.78 | *5* |
| | 3 | 6 | 5 | 4 | 4 | 4 | 2 | 14 | 14 | TRUE | 4 | 6 | 3 | 2 | 15 | 15 | TRUE | -1 | *28* | 7.93 | 6.21 | 1.72 | *6* |
| | 4 | 7 | 8 | 5 | 4 | 6 | 6 | 21 | 21 | TRUE | 2 | 5 | 4 | 3 | 14 | 14 | TRUE | 7 | *8* | 6.64 | 10.18 | -3.54 | *48* |
| | 5 | 9 | 10 | 5 | 6 | 5 | 4 | 20 | 20 | TRUE | 3 | 4 | 3 | 1 | 11 | 11 | TRUE | 9 | *5.5* | 5.88 | 6.26 | -0.38 | *32* |
| | 6 | 12 | 11 | 4 | 4 | 4 | 2 | 14 | 14 | TRUE | 5 | 5 | 4 | 2 | 16 | 16 | TRUE | -2 | *30* | 9.15 | 8.7 | 0.45 | *17.5* |
| | 7 | 14 | 13 | 4 | 4 | 4 | 4 | 16 | 16 | TRUE | 3 | 4 | 4 | 1 | 12 | 12 | TRUE | 4 | *11.5* | 8.57 | 8.12 | 0.45 | *17.5* |
| | 8 | 15 | 16 | 5 | 4 | 5 | 5 | 19 | 19 | TRUE | 4 | 4 | 4 | 1 | 13 | 13 | TRUE | 6 | *9* | 6.54 | 5.01 | 1.53 | *9* |
| | 9 | 18 | 17 | 4 | 5 | 7 | 1 | 17 | 17 | TRUE | 1 | 2 | 3 | 3 | 9 | 9 | TRUE | 8 | *7* | 8.18 | 8.32 | -0.14 | *25.5* |
| | 10 | 19 | 20 | 4 | 4 | 6 | 2 | 16 | 16 | TRUE | 6 | 5 | 5 | 6 | 22 | 22 | TRUE | -6 | *41.5* | 9.73 | 13.45 | -3.72 | *49* |
| | 11 | 21 | 22 | 5 | 4 | 5 | 5 | 19 | 19 | TRUE | 4 | 4 | 6 | 5 | 19 | 19 | TRUE | 0 | *25* | 7.4 | 7.79 | -0.39 | *33* |
| | 12 | 23 | 24 | 4 | 4 | 4 | 5 | 17 | 17 | TRUE | 3 | 4 | 4 | 4 | 15 | 15 | TRUE | 2 | *17.5* | 7.31 | 7.75 | -0.44 | *34* |
| | 13 | 25 | 26 | 4 | 6 | 5 | 2 | 17 | 17 | TRUE | 5 | 4 | 5 | 1 | 15 | 15 | TRUE | 2 | *17.5* | 6.15 | 6.3 | -0.15 | *27.5* |
| | 14 | 28 | 27 | 5 | 7 | 7 | 6 | 25 | 25 | TRUE | 2 | 4 | 4 | 1 | 11 | 11 | TRUE | 14 | *2* | 7.99 | 8.68 | -0.69 | *37* |
| | 15 | 30 | 29 | 5 | 5 | 4 | 5 | 19 | 19 | TRUE | 4 | 4 | 5 | 4 | 17 | 17 | TRUE | 2 | *17.5* | 7.67 | 12.53 | -4.86 | *50* |
| | 16 | 32 | 31 | 4 | 7 | 4 | 7 | 22 | 22 | TRUE | 2 | 3 | 4 | 4 | 13 | 13 | TRUE | 9 | *5.5* | 6.67 | 7.55 | -0.88 | *38* |
| | 17 | 33 | 34 | 5 | 5 | 6 | 2 | 18 | 18 | TRUE | 3 | 4 | 4 | 4 | 15 | 15 | TRUE | 3 | *14* | 8.32 | 6.61 | 1.71 | *7* |
| | 18 | 35 | 36 | 3 | 3 | 5 | 1 | 12 | 12 | TRUE | 5 | 5 | 4 | 1 | 15 | 15 | TRUE | -3 | *32* | 7.7 | 7.84 | -0.14 | *25.5* |
| | 19 | 38 | 37 | 5 | 4 | 5 | 1 | 15 | 15 | TRUE | 4 | 4 | 5 | 1 | 14 | 14 | TRUE | 1 | *21.5* | 6.3 | 9.51 | -3.21 | *47* |
| | 20 | 40 | 39 | 4 | 4 | 4 | 3 | 15 | 15 | TRUE | 5 | 4 | 5 | 5 | 19 | 19 | TRUE | -4 | *34.5* | 11.06 | 6.38 | 4.68 | *1* |
| | 21 | 42 | 41 | 4 | 4 | 4 | 4 | 16 | 16 | TRUE | 4 | 4 | 3 | 3 | 14 | 14 | TRUE | 2 | *17.5* | 9.64 | 9.47 | 0.17 | *21* |
| | 22 | 43 | 44 | 4 | 4 | 5 | 4 | 17 | 17 | TRUE | 5 | 4 | 4 | 1 | 14 | 14 | TRUE | 3 | *14* | 7.19 | 6.81 | 0.38 | *20* |
| | 23 | 46 | 45 | 3 | 3 | 4 | 1 | 11 | 10 | FALSE | 4 | 4 | 5 | 3 | 16 | 16 | TRUE | -6 | *41.5* | 6.91 | 6.97 | -0.06 | *24* |
| | 24 | 48 | 47 | 5 | 5 | 5 | 2 | 17 | 17 | TRUE | 5 | 6 | 4 | 3 | 18 | 18 | TRUE | -1 | *28* | 7.86 | 8.92 | -1.06 | *41* |
| | 25 | 49 | 50 | 4 | 4 | 6 | 1 | 15 | 15 | TRUE | 3 | 5 | 5 | 5 | 18 | 18 | TRUE | -3 | *32* | 8.48 | 9.06 | -0.58 | *36* |
| | 31 | 51 | 52 | 4 | 4 | 4 | 4 | 16 | 16 | TRUE | 4 | 4 | 4 | 1 | 13 | 13 | TRUE | 3 | *14* | 4.54 | 6.86 | -2.32 | *44* |
| | 32 | 53 | 54 | 3 | 4 | 3 | 4 | 14 | 14 | TRUE | 6 | 4 | 6 | 5 | 21 | 21 | TRUE | -7 | *46* | 7.38 | 7.72 | -0.34 | *31* |
| | 33 | 56 | 55 | 4 | 5 | 4 | 1 | 14 | 14 | TRUE | 6 | 5 | 5 | 4 | 20 | 20 | TRUE | -6 | *41.5* | 6.83 | 4.86 | 1.97 | *4* |
| | 34 | 58 | 57 | 4 | 3 | 4 | 4 | 15 | 15 | TRUE | 4 | 4 | 4 | 4 | 16 | 16 | TRUE | -1 | *28* | 8.1 | 6.64 | 1.46 | *10* |
| | 35 | 59 | 60 | 6 | 6 | 5 | 5 | 22 | 22 | TRUE | 3 | 3 | 3 | 3 | 12 | 12 | TRUE | 10 | *4* | 7.61 | 7.49 | 0.12 | *23* |
| | 36 | 61 | 62 | 3 | 4 | 3 | 1 | 11 | 11 | TRUE | 6 | 6 | 7 | 5 | 24 | 24 | TRUE | -13 | *50* | 8.09 | 6.87 | 1.22 | *11* |
| | 37 | 63 | 64 | 3 | 4 | 4 | 4 | 15 | 15 | TRUE | 4 | 4 | 4 | 2 | 14 | 14 | TRUE | 1 | *21.5* | 5 | 6.09 | -1.09 | *42* |
| | 38 | 66 | 65 | 4 | 2 | 4 | 4 | 14 | 14 | TRUE | 5 | 4 | 4 | 4 | 17 | 17 | TRUE | -3 | *32* | 6.24 | 6.39 | -0.15 | *27.5* |
| | 39 | 68 | 67 | 4 | 5 | 4 | 4 | 17 | 17 | TRUE | 6 | 5 | 6 | 5 | 22 | 22 | TRUE | -5 | *37* | 7.68 | 6.07 | 1.61 | *8* |
| | 40 | 69 | 70 | 4 | 4 | 4 | 4 | 16 | 16 | TRUE | 6 | 6 | 6 | 4 | 22 | 22 | TRUE | -6 | *41.5* | 6.93 | 7.83 | -0.9 | *39* |
| | 41 | 71 | 72 | 6 | 6 | 6 | 5 | 23 | 23 | TRUE | 1 | 1 | 1 | 2 | 5 | 5 | TRUE | 18 | *1* | 6.73 | 6.29 | 0.44 | *19* |
| | 42 | 74 | 73 | 3 | 3 | 4 | 3 | 13 | 13 | TRUE | 6 | 5 | 4 | 4 | 19 | 19 | TRUE | -6 | *41.5* | 8.42 | 7.68 | 0.74 | *15* |
| | 43 | 76 | 75 | 5 | 6 | 6 | 5 | 22 | 22 | TRUE | 6 | 5 | 5 | 5 | 21 | 21 | TRUE | 1 | *21.5* | 5.1 | 8.15 | -3.05 | *46* |
| | 44 | 77 | 78 | 4 | 4 | 4 | 2 | 14 | 14 | TRUE | 4 | 2 | 4 | 4 | 14 | 14 | TRUE | 0 | *25* | 4.1 | 5.77 | -1.67 | *43* |
| | 45 | 80 | 79 | 7 | 7 | 5 | 6 | 25 | 25 | TRUE | 3 | 3 | 4 | 4 | 14 | 14 | TRUE | 11 | *3* | 5.93 | 6.97 | -1.04 | *40* |
| | 46 | 81 | 82 | 3 | 3 | 3 | 3 | 12 | 12 | TRUE | 6 | 4 | 5 | 4 | 19 | 19 | TRUE | -7 | *46* | 9.85 | 7.63 | 2.22 | *3* |
| | 47 | 84 | 83 | 4 | 4 | 5 | 2 | 15 | 15 | TRUE | 4 | 4 | 4 | 3 | 15 | 15 | TRUE | 0 | *25* | 4.1 | 4.64 | -0.54 | *35* |
| | 48 | 85 | 86 | 3 | 3 | 3 | 1 | 10 | 10 | TRUE | 3 | 4 | 3 | 4 | 14 | 14 | TRUE | -4 | *34.5* | 5.36 | 4.36 | 1 | *12* |
| | 49 | 87 | 88 | 4 | 4 | 4 | 1 | 13 | 13 | TRUE | 5 | 5 | 6 | 3 | 19 | 19 | TRUE | -6 | *41.5* | 9.35 | 6.31 | 3.04 | *2* |
| | 50 | 90 | 89 | 5 | 4 | 6 | 1 | 16 | 16 | TRUE | 4 | 4 | 4 | 3 | 15 | 15 | TRUE | 1 | *21.5* | 6.39 | 6.7 | -0.31 | *30* |
| | 51 | 92 | 91 | 3 | 4 | 4 | 2 | 13 | 13 | TRUE | 7 | 5 | 7 | 6 | 25 | 25 | TRUE | -12 | *49* | 9.03 | 8.28 | 0.75 | *14* |
| | 52 | 94 | 93 | 3 | 5 | 3 | 5 | 16 | 16 | TRUE | 6 | 7 | 6 | 4 | 23 | 23 | TRUE | -7 | *46* | 7.04 | 6.89 | 0.15 | *22* |
| | 53 | 96 | 95 | 4 | 4 | 4 | 2 | 14 | 14 | TRUE | 5 | 5 | 5 | 4 | 19 | 19 | TRUE | -5 | *37* | 5.72 | 4.92 | 0.8 | *13* |
| | 54 | 97 | 98 | 6 | 6 | 5 | 5 | 22 | 22 | TRUE | 5 | 4 | 5 | 3 | 17 | 17 | TRUE | 5 | *10* | 4.84 | 5.02 | -0.18 | *29* |
| | 55 | 99 | 100 | 4 | 5 | 5 | 5 | 19 | 19 | TRUE | 4 | 4 | 4 | 3 | 15 | 15 | TRUE | 4 | *11.5* | 3.87 | 6.47 | -2.6 | *45* |
| # blank cells: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | **mean:** | | **-0.0400** | | | **mean:** | **-0.1078** | |
| | | | | | | | | | | | | | | | | | | **Pooled SD** | **4.744824** | | | | |
| | | | | | | | | | | | | | | | | | | (used this calculator for pooled SD) | | | | | |

*Kiva added*

Checking for normality
(to determine Pearson's vs Spearman's correlation)




| Mean: |
|---|
| -0.04 |
| SD: |
| 6.474313453 |




| Mean: |
|---|
| -0.1078 |
| SD: |
| 1.763512601 |

*Kiva added*

Correlation:
Dominance discrepancy + FPS discrepancy

| | | |
|---|---|---|
| **Pearson (if it had been normally distributed)** | | |
| -0.2932932718 | | |
| **Spearman - Since it was not normally distributed** | | |
| -0.3903291063 | | |
| **Cohen's *d* ...with full calculation from Pearson** | | |
| -0.6135697977 | | |
| **Cohen's *d* ...with rounded calculation from Pearson** | | |
| -0.6060437322 | | |
| **Cohen's *d* ...with full calculation from Spearman** | | |
| -0.847919054 | | |

*Kiva added*

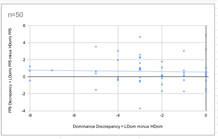
Testing for statistical significance

| | | |
|---|---|---|
| ***t*** | **-2.125** | This correlation is statistically significant at the *p*<0.05 level |
| *p* | 0.039 | |
| ***t*** | **-2.937** | This correlation is statistically significant at the *p*<0.05 level |
| *p* | 0.005 | |

| Kace column >> | C | A | B | FM | FW | Kiva added | HL | HV | Kiva added | Kiva added | | | | | | Q | CM | *Kiva added* | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | irq4 | irq15 | | irq4b | irq15b | | | | | | | | i1 | i2 | | | | | | |
| Kiva label >><br>Notes | Dyad # | Participant 1 (P1) | Participant 2 (P2) | P1's IRQ4 response | P1's IRQ15 response | **2Q Dom P1** | P2's IRQ4 response | P2's IRQ15 response | **2Q Dom P2** | Higher dominance score ("HDom") | Lower dominance score ("LDom") | **LDom minus HDom (n=50)** | *Rank, for Spearman (n=50)* | **LDom minus HDom (n=41)** | *Rank, for Spearman (n=41)* | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | HDom's FPS | LDom's FPS | **LDom's FPS minus HDom's FPS (n=50)** | *Rank, for Spearman (n=50)* | **LDom's FPS minus HDom's FPS** | *Rank, for Spearman* |
| | 1 | 2 | 1 | 4 | 1 | 5 | 5 | 5 | 10 | 10 | 5 | -5 | 44.5 | -5 | 35.5 | 6.29 | 5.64 | 5.64 | 6.29 | 0.65 | 23 | 0.65 | 20 |
| | 2 | 3 | 4 | 3 | 4 | 7 | 5 | 4 | 9 | 9 | 7 | -2 | 20.5 | -2 | 11.5 | 9.51 | 7.73 | 7.73 | 9.51 | 1.78 | 11 | 1.78 | 9 |
| | 3 | 6 | 5 | 4 | 2 | 6 | 3 | 2 | 5 | 6 | 5 | -1 | 13 | -1 | 4 | 7.93 | 6.21 | 7.93 | 6.21 | -1.72 | 49 | -1.72 | 40 |
| | 4 | 7 | 8 | 6 | 6 | 12 | 4 | 3 | 7 | 12 | 7 | -5 | 44.5 | -5 | 35.5 | 6.64 | 10.18 | 6.64 | 10.18 | 3.54 | 3 | 3.54 | 2 |
| | 5 | 9 | 10 | 5 | 4 | 9 | 3 | 1 | 4 | 9 | 4 | -5 | 44.5 | -5 | 35.5 | 5.88 | 6.26 | 5.88 | 6.26 | 0.38 | 26 | 0.38 | 22 |
| | 6 | 12 | 11 | 4 | 2 | 6 | 4 | 2 | 6 | 6 | 6 | 0 | 5 | same dom | same dom | 9.15 | 8.7 | same dom | same dom | -0.45 | 41.5 | same dom | same dom |
| | 7 | 14 | 13 | 4 | 4 | 8 | 4 | 1 | 5 | 8 | 5 | -3 | 31 | -3 | 22 | 8.57 | 8.12 | 8.57 | 8.12 | -0.45 | 41.5 | -0.45 | 35 |
| | 8 | 15 | 16 | 5 | 5 | 10 | 4 | 1 | 5 | 10 | 5 | -5 | 44.5 | -5 | 35.5 | 6.54 | 5.01 | 6.54 | 5.01 | -1.53 | 46 | -1.53 | 38 |
| | 9 | 18 | 17 | 7 | 1 | 8 | 3 | 3 | 6 | 8 | 6 | -2 | 20.5 | -2 | 11.5 | 8.18 | 8.32 | 8.18 | 8.32 | 0.14 | 32 | 0.14 | 26 |
| | 10 | 19 | 20 | 6 | 2 | 8 | 5 | 6 | 11 | 11 | 8 | -3 | 31 | -3 | 22 | 9.73 | 13.45 | 13.45 | 9.73 | -3.72 | 50 | -3.72 | 41 |
| | 11 | 21 | 22 | 5 | 5 | 10 | 6 | 5 | 11 | 11 | 10 | -1 | 13 | -1 | 4 | 7.4 | 7.79 | 7.79 | 7.4 | -0.39 | 39 | -0.39 | 33 |
| | 12 | 23 | 24 | 4 | 5 | 9 | 4 | 4 | 8 | 9 | 8 | -1 | 13 | -1 | 4 | 7.31 | 7.75 | 7.31 | 7.75 | 0.44 | 25 | 0.44 | 21 |
| | 13 | 25 | 26 | 5 | 2 | 7 | 5 | 1 | 6 | 7 | 6 | -1 | 13 | -1 | 4 | 6.15 | 6.3 | 6.15 | 6.3 | 0.15 | 30.5 | 0.15 | 25 |
| | 14 | 28 | 27 | 7 | 6 | 13 | 4 | 1 | 5 | 13 | 5 | -8 | 49 | -8 | 40 | 7.99 | 8.68 | 7.99 | 8.68 | 0.69 | 22 | 0.69 | 19 |
| | 15 | 30 | 29 | 4 | 5 | 9 | 5 | 4 | 9 | 9 | 9 | 0 | 5 | same dom | same dom | 7.67 | 12.53 | same dom | same dom | 4.86 | 1 | same dom | same dom |
| | 16 | 32 | 31 | 4 | 7 | 11 | 4 | 4 | 8 | 11 | 8 | -3 | 31 | -3 | 22 | 6.67 | 7.55 | 6.67 | 7.55 | 0.88 | 18 | 0.88 | 15 |
| | 17 | 33 | 34 | 6 | 2 | 8 | 4 | 4 | 8 | 8 | 8 | 0 | 5 | same dom | same dom | 8.32 | 6.61 | same dom | same dom | -1.71 | 48 | same dom | same dom |
| | 18 | 35 | 36 | 5 | 1 | 6 | 4 | 1 | 5 | 6 | 5 | -1 | 13 | -1 | 4 | 7.7 | 7.84 | 7.7 | 7.84 | 0.14 | 33 | 0.14 | 27 |
| | 19 | 38 | 37 | 5 | 1 | 6 | 5 | 1 | 6 | 6 | 6 | 0 | 5 | same dom | same dom | 6.3 | 9.51 | same dom | same dom | 3.21 | 4 | same dom | same dom |
| | 20 | 40 | 39 | 4 | 3 | 7 | 5 | 5 | 10 | 10 | 7 | -3 | 31 | -3 | 22 | 11.06 | 6.38 | 6.38 | 11.06 | 4.68 | 2 | 4.68 | 1 |
| | 21 | 42 | 41 | 4 | 4 | 8 | 3 | 3 | 6 | 8 | 6 | -2 | 20.5 | -2 | 11.5 | 9.64 | 9.47 | 9.64 | 9.47 | -0.17 | 36 | -0.17 | 30 |
| | 22 | 43 | 44 | 5 | 4 | 9 | 4 | 1 | 5 | 9 | 5 | -4 | 40 | -4 | 31 | 7.19 | 6.81 | 7.19 | 6.81 | -0.38 | 38 | -0.38 | 32 |
| | 23 | 46 | 45 | 4 | 1 | 5 | 5 | 3 | 8 | 8 | 5 | -3 | 31 | -3 | 22 | 6.91 | 6.97 | 6.97 | 6.91 | -0.06 | 34 | -0.06 | 28 |
| | 24 | 48 | 47 | 5 | 2 | 7 | 4 | 3 | 7 | 7 | 7 | 0 | 5 | same dom | same dom | 7.86 | 8.92 | same dom | same dom | 1.06 | 15 | same dom | same dom |
| | 25 | 49 | 50 | 6 | 1 | 7 | 5 | 5 | 10 | 10 | 7 | -3 | 31 | -3 | 22 | 8.48 | 9.06 | 9.06 | 8.48 | -0.58 | 43 | -0.58 | 36 |
| | 31 | 51 | 52 | 4 | 4 | 8 | 4 | 1 | 5 | 8 | 5 | -3 | 31 | -3 | 22 | 4.54 | 6.86 | 4.54 | 6.86 | 2.32 | 8 | 2.32 | 6 |
| | 32 | 53 | 54 | 3 | 4 | 7 | 6 | 5 | 11 | 11 | 7 | -4 | 40 | -4 | 31 | 7.38 | 7.72 | 7.72 | 7.38 | -0.34 | 37 | -0.34 | 31 |
| | 33 | 56 | 55 | 4 | 1 | 5 | 5 | 4 | 9 | 9 | 5 | -4 | 40 | -4 | 31 | 6.83 | 4.86 | 4.86 | 6.83 | 1.97 | 10 | 1.97 | 8 |
| | 34 | 58 | 57 | 4 | 4 | 8 | 4 | 4 | 8 | 8 | 8 | 0 | 5 | same dom | same dom | 8.1 | 6.64 | same dom | same dom | -1.46 | 45 | same dom | same dom |
| | 35 | 59 | 60 | 5 | 5 | 10 | 3 | 3 | 6 | 10 | 6 | -4 | 40 | -4 | 31 | 7.61 | 7.49 | 7.61 | 7.49 | -0.12 | 35 | -0.12 | 29 |
| | 36 | 61 | 62 | 3 | 1 | 4 | 7 | 5 | 12 | 12 | 4 | -8 | 49 | -8 | 40 | 8.09 | 6.87 | 6.87 | 8.09 | 1.22 | 13 | 1.22 | 11 |
| | 37 | 63 | 64 | 4 | 4 | 8 | 4 | 2 | 6 | 8 | 6 | -2 | 20.5 | -2 | 11.5 | 5 | 6.09 | 5 | 6.09 | 1.09 | 14 | 1.09 | 12 |
| | 38 | 66 | 65 | 4 | 4 | 8 | 4 | 4 | 8 | 8 | 8 | 0 | 5 | same dom | same dom | 6.24 | 6.39 | same dom | same dom | 0.15 | 30.5 | same dom | same dom |
| | 39 | 68 | 67 | 4 | 4 | 8 | 6 | 5 | 11 | 11 | 8 | -3 | 31 | -3 | 22 | 7.68 | 6.07 | 6.07 | 7.68 | 1.61 | 12 | 1.61 | 10 |
| | 40 | 69 | 70 | 4 | 4 | 8 | 6 | 4 | 10 | 10 | 8 | -2 | 20.5 | -2 | 11.5 | 6.93 | 7.83 | 7.83 | 6.93 | -0.9 | 44 | -0.9 | 37 |
| | 41 | 71 | 72 | 6 | 5 | 11 | 1 | 2 | 3 | 11 | 3 | -8 | 49 | -8 | 40 | 6.73 | 6.29 | 6.73 | 6.29 | -0.44 | 40 | -0.44 | 34 |
| | 42 | 74 | 73 | 4 | 3 | 7 | 4 | 4 | 8 | 8 | 7 | -1 | 13 | -1 | 4 | 8.42 | 7.68 | 7.68 | 8.42 | 0.74 | 21 | 0.74 | 18 |
| | 43 | 76 | 75 | 6 | 5 | 11 | 5 | 5 | 10 | 11 | 10 | -1 | 13 | -1 | 4 | 5.1 | 8.15 | 5.1 | 8.15 | 3.05 | 5 | 3.05 | 3 |
| | 44 | 77 | 78 | 4 | 2 | 6 | 4 | 4 | 8 | 8 | 6 | -2 | 20.5 | -2 | 11.5 | 4.1 | 5.77 | 5.77 | 4.1 | -1.67 | 47 | -1.67 | 39 |
| | 45 | 80 | 79 | 5 | 6 | 11 | 4 | 4 | 8 | 11 | 8 | -3 | 31 | -3 | 22 | 5.93 | 6.97 | 5.93 | 6.97 | 1.04 | 16 | 1.04 | 13 |
| | 46 | 81 | 82 | 3 | 3 | 6 | 5 | 4 | 9 | 9 | 6 | -3 | 31 | -3 | 22 | 9.85 | 7.63 | 7.63 | 9.85 | 2.22 | 9 | 2.22 | 7 |
| | 47 | 84 | 83 | 5 | 2 | 7 | 4 | 3 | 7 | 7 | 7 | 0 | 5 | same dom | same dom | 4.1 | 4.64 | same dom | same dom | 0.54 | 24 | same dom | same dom |
| | 48 | 85 | 86 | 3 | 1 | 4 | 3 | 4 | 7 | 7 | 4 | -3 | 31 | -3 | 22 | 5.36 | 4.36 | 4.36 | 5.36 | 1 | 17 | 1 | 14 |
| | 49 | 87 | 88 | 4 | 1 | 5 | 6 | 3 | 9 | 9 | 5 | -4 | 40 | -4 | 31 | 9.35 | 6.31 | 6.31 | 9.35 | 3.04 | 6 | 3.04 | 4 |
| | 50 | 90 | 89 | 6 | 1 | 7 | 4 | 3 | 7 | 7 | 7 | 0 | 5 | same dom | same dom | 6.39 | 6.7 | same dom | same dom | 0.31 | 27 | same dom | same dom |
| | 51 | 92 | 91 | 4 | 2 | 6 | 7 | 6 | 13 | 13 | 6 | -7 | 47 | -7 | 38 | 9.03 | 8.28 | 8.28 | 9.03 | 0.75 | 20 | 0.75 | 17 |
| | 52 | 94 | 93 | 3 | 5 | 8 | 6 | 4 | 10 | 10 | 8 | -2 | 20.5 | -2 | 11.5 | 7.04 | 6.89 | 6.89 | 7.04 | 0.15 | 29 | 0.15 | 24 |
| | 53 | 96 | 95 | 4 | 2 | 6 | 5 | 4 | 9 | 9 | 6 | -3 | 31 | -3 | 22 | 5.72 | 4.92 | 4.92 | 5.72 | 0.8 | 19 | 0.8 | 16 |
| | 54 | 97 | 98 | 5 | 5 | 10 | 5 | 3 | 8 | 10 | 8 | -2 | 20.5 | -2 | 11.5 | 4.84 | 5.02 | 4.84 | 5.02 | 0.18 | 28 | 0.18 | 23 |
| | 55 | 99 | 100 | 5 | 5 | 10 | 4 | 3 | 7 | 10 | 7 | -3 | 31 | -3 | 22 | 3.87 | 6.47 | 3.87 | 6.47 | 2.6 | 7 | 2.6 | 5 |
| # blank cells: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | | 0 | 0 | 0 | | | | 0 | | 0 |

*Kiva added*

Quick look at the data; n=50

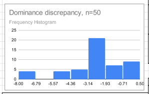


| | Discrepancy in dominance scores (LDom minus HDom) | Discrepancy in FPS rates (LDom's FPS minus HDom's FPS) |
|---|---|---|
| Min | -8 | -3.72 |
| Max | 0 | 4.86 |
| Range | 8 | 8.58 |
| Mean | -2.66 | 0.6258 |
| Median | -3.00 | 0.41 |

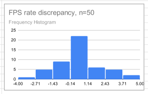
| | |
|---|---|
| **Correlation: Pearson** | **-0.03644416741** |
| **Correlation: Spearman** | **-0.1143840076** |

*Kiva added*

Checking for normality; n=50
(to determine Pearson's vs Spearman's correlation)



| |
|---|
| Mean: |
| -2.66 |
| SD: |
| 2.134364122 |



| |
|---|
| Mean: |
| 0.6258 |
| SD: |
| 1.649914147 |

*Kiva added*

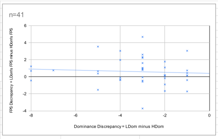
Reproducing Kacewicz et al. (2013)'s reported statistics

| Statistic | Kacewicz et al. (2013) reported | Reproduced by Bennett (2024) | Notes |
|---|---|---|---|
| correlation coefficient | **-0.30** (p. 8) | **-0.114** | Using Spearman, since only one of the variables was normally distributed. |
| statistical significance of the correlation | **$0.01 < p \leq 0.05$** (p.8) | ***t* =**<br>-0.798<br>***p* =**<br>**0.429** | The *p*-value is no longer statistically significant |
| effect size | **Cohen's *d* = -0.62** (p. 12) | ***d* =**<br>**-0.2303**<br>$r^2$ =<br>0.013 | Because we are comapring variables, not treatments/groups, regular Cohen's *d* formula should not be used. The substiture formula they used =(2r)/SQRT(1-(r^2)) is interpreted differently, though -0.28 is a small effect size under either interpretation<br>This is good way to show the effect size when comparing variables (rather than groups) |

| Statistic | Kacewicz et al. (2013) reported | Reproduced by Bennett (2024) | Notes |
|---|---|---|---|
| correlation coefficient | **-0.30** (p. 8) | **-0.036** | Pearson, in case they used this |
| statistical significance of the correlation | **$0.01 < p \leq 0.05$** (p.8) | ***t* =**<br>-0.253<br>***p* =**<br>**0.802** | The *p*-value is no longer statistically significant |
| effect size | **Cohen's *d* = -0.62** (p. 12) | ***d* =**<br>**-0.0729**<br>$r^2$ =<br>0.001 | Because we are comapring variables, not treatments/groups, regular Cohen's *d* formula should not be used. The substiture formula they used =(2r)/SQRT(1-(r^2)) is interpreted differently, though -0.28 is a small effect size under either interpretation<br>This is good way to show the effect size when comparing variables (rather than groups) |

*Kiva added*

Quick look at the data: excluding "same dom" dyads; n=41

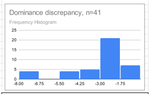


| | Discrepancy in dominance scores (LDom minus HDom) | Discrepancy in FPS rates (LDom's FPS minus HDom's FPS) |
|---|---|---|
| Min | -8 | -3.72 |
| Max | -1 | 4.68 |
| Range | 7 | 8.4 |
| Mean | -3.243902439 | 0.6043902439 |
| Median | -3.00 | 0.44 |

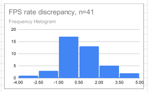
| | |
|---|---|
| **Correlation: Pearson** | **-0.07677719665** |
| **Correlation: Spearman** | **-0.138832228** |

*Kiva added*

Checking for normality; n=41
(to determine Pearson's vs Spearman's correlation)



| |
|---|
| Mean: |
| -3.243902439 |
| SD: |
| 1.907622706 |



| |
|---|
| Mean: |
| 0.6043902439 |
| SD: |
| 1.559466333 |

| Kace column >> | C | A | B | FM | FW | Kiva added | HL | HV | Kiva added | G | Kiva added | Q | CM | FB | Kiva added |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | dyad | R2FS | | dyad6 | dyad56 | | dominoff | | r1 | Q | dd1 | |
| Kiva label >> | Group | Participant 1 (P1) | Participant 2 (P2) | P1's RoCk response | P1's RoCk response | 2Q Dom P1 | P2's RoCk response | P2's RoCk response | 2Q Dom P2 | Discrepancy in dominance scores (P1 minus P2) | Rank for Spearman | P1's FPS rate (number of words used) | P2's FPS rate (number of words used) | Discrepancy in FPS rate scores (P1 minus P2) | Rank for Spearman |
| | 1 | 2 | 1 | 4 | 1 | 5 | 4 | 5 | 10 | -5 | 46 | 6.28 | 5.64 | 0.65 | 16 |
| | 2 | 3 | 4 | 3 | 4 | 7 | 5 | 4 | 9 | -2 | 34.5 | 9.01 | 7.73 | 1.28 | 3 |
| | 3 | 6 | 5 | 4 | 2 | 6 | 3 | 2 | 5 | 1 | 19 | 7.93 | 6.21 | 1.72 | 8 |
| | 4 | 7 | 8 | 6 | 6 | 12 | 4 | 3 | 7 | 5 | 4 | 6.64 | 10.18 | -3.54 | 48 |
| | 5 | 9 | 10 | 5 | 4 | 9 | 2 | 1 | 4 | 5 | 4 | 5.88 | 6.26 | -0.38 | 22 |
| | 6 | 12 | 11 | 4 | 2 | 6 | 4 | 2 | 6 | 0 | 28 | 9.15 | 8.7 | 0.45 | 17.5 |
| | 7 | 14 | 13 | 4 | 4 | 8 | 4 | 1 | 5 | 3 | 10 | 8.57 | 8.12 | 0.45 | 17.5 |
| | 8 | 15 | 16 | 5 | 5 | 10 | 4 | 1 | 5 | 5 | 4 | 6.94 | 5.01 | 1.93 | 9 |
| | 9 | 18 | 17 | 7 | 1 | 8 | 3 | 3 | 6 | 2 | 14.5 | 8.18 | 8.33 | -0.14 | 25.5 |
| | 10 | 19 | 20 | 6 | 2 | 8 | 5 | 6 | 11 | -3 | 40.5 | 9.73 | 13.45 | -3.72 | 49 |
| | 11 | 21 | 22 | 5 | 5 | 10 | 6 | 5 | 11 | -1 | 31.5 | 7.4 | 7.79 | -0.39 | 33 |
| | 12 | 23 | 24 | 4 | 5 | 9 | 4 | 4 | 8 | 1 | 19 | 7.21 | 7.75 | -0.44 | 34 |
| | 13 | 25 | 26 | 5 | 2 | 7 | 5 | 1 | 6 | 1 | 19 | 6.15 | 6.3 | -0.15 | 27.5 |
| | 14 | 28 | 27 | 7 | 6 | 13 | 4 | 1 | 5 | 8 | 1.5 | 7.58 | 8.68 | -0.68 | 37 |
| | 15 | 30 | 29 | 4 | 5 | 9 | 5 | 4 | 9 | 0 | 28 | 7.67 | 12.03 | -4.86 | 50 |
| | 16 | 32 | 31 | 4 | 7 | 11 | 4 | 4 | 8 | 3 | 10 | 6.67 | 7.85 | -0.85 | 38 |
| | 17 | 33 | 34 | 6 | 2 | 8 | 4 | 4 | 8 | 0 | 28 | 8.32 | 6.61 | 1.71 | 7 |
| | 18 | 35 | 36 | 5 | 1 | 6 | 4 | 1 | 5 | 1 | 19 | 7.7 | 7.84 | -0.14 | 25.5 |
| | 19 | 38 | 37 | 5 | 1 | 6 | 5 | 1 | 6 | 0 | 28 | 6.3 | 9.51 | -3.21 | 47 |
| | 20 | 40 | 39 | 4 | 3 | 7 | 5 | 5 | 10 | -3 | 40.5 | 11.08 | 6.39 | 4.69 | 1 |
| | 21 | 42 | 41 | 4 | 4 | 8 | 3 | 3 | 6 | 2 | 14.5 | 9.64 | 9.47 | 0.17 | 21 |
| | 22 | 43 | 44 | 5 | 4 | 9 | 4 | 1 | 5 | 4 | 6.5 | 7.19 | 6.81 | 0.38 | 20 |
| | 23 | 46 | 45 | 4 | 1 | 5 | 5 | 3 | 8 | -3 | 40.5 | 6.91 | 6.97 | -0.06 | 24 |
| | 24 | 48 | 47 | 5 | 2 | 7 | 4 | 3 | 7 | 0 | 28 | 7.86 | 9.02 | -1.16 | 41 |
| | 25 | 49 | 50 | 6 | 1 | 7 | 5 | 5 | 10 | -3 | 40.5 | 8.48 | 9.06 | -0.58 | 36 |
| | 31 | 51 | 52 | 4 | 4 | 8 | 4 | 1 | 5 | 3 | 10 | 4.58 | 6.98 | -2.32 | 44 |
| | 32 | 53 | 54 | 3 | 4 | 7 | 6 | 5 | 11 | -4 | 46 | 7.38 | 7.72 | -0.34 | 31 |
| | 33 | 56 | 55 | 4 | 1 | 5 | 5 | 4 | 9 | -4 | 46 | 6.82 | 4.86 | 1.97 | 4 |
| | 34 | 58 | 57 | 4 | 4 | 8 | 4 | 4 | 8 | 0 | 28 | 8.1 | 6.64 | 1.46 | 10 |
| | 35 | 59 | 60 | 5 | 5 | 10 | 3 | 3 | 6 | 4 | 6.5 | 7.61 | 7.49 | 0.12 | 23 |
| | 36 | 61 | 62 | 3 | 1 | 4 | 7 | 5 | 12 | -8 | 50 | 8.09 | 6.87 | 1.22 | 11 |
| | 37 | 63 | 64 | 4 | 4 | 8 | 4 | 2 | 6 | 2 | 14.5 | 5 | 6.09 | -1.09 | 42 |
| | 38 | 66 | 65 | 4 | 4 | 8 | 4 | 4 | 8 | 0 | 28 | 6.24 | 6.39 | -0.15 | 27.5 |
| | 39 | 68 | 67 | 4 | 4 | 8 | 6 | 5 | 11 | -3 | 40.5 | 7.68 | 6.07 | 1.61 | 8 |
| | 40 | 69 | 70 | 4 | 4 | 8 | 6 | 4 | 10 | -2 | 34.5 | 6.93 | 7.83 | -0.9 | 39 |
| | 41 | 71 | 72 | 6 | 5 | 11 | 1 | 2 | 3 | 8 | 1.5 | 6.73 | 6.29 | 0.44 | 19 |
| | 42 | 74 | 73 | 4 | 3 | 7 | 4 | 4 | 8 | -1 | 31.5 | 6.42 | 7.68 | -0.76 | 15 |
| | 43 | 76 | 75 | 6 | 5 | 11 | 5 | 5 | 10 | 1 | 19 | 5.1 | 6.15 | -3.05 | 46 |
| | 44 | 77 | 78 | 4 | 2 | 6 | 4 | 4 | 8 | -2 | 34.5 | 4.1 | 5.77 | -1.67 | 43 |
| | 45 | 80 | 79 | 5 | 6 | 11 | 4 | 4 | 8 | 3 | 10 | 5.93 | 6.97 | -1.04 | 40 |
| | 46 | 81 | 82 | 3 | 3 | 6 | 5 | 4 | 9 | -3 | 40.5 | 9.85 | 7.63 | 2.22 | 2 |
| | 47 | 84 | 83 | 5 | 2 | 7 | 4 | 3 | 7 | 0 | 28 | 4.1 | 4.64 | -0.54 | 32 |
| | 48 | 85 | 86 | 3 | 1 | 4 | 3 | 4 | 7 | -3 | 40.5 | 5.36 | 4.36 | 1 | 12 |
| | 49 | 87 | 88 | 4 | 1 | 5 | 6 | 3 | 9 | -4 | 46 | 9.35 | 6.31 | 3.04 | 3 |
| | 50 | 90 | 89 | 6 | 1 | 7 | 4 | 3 | 7 | 0 | 28 | 6.39 | 6.7 | -0.31 | 30 |
| | 51 | 92 | 91 | 4 | 2 | 6 | 7 | 6 | 13 | -7 | 49 | 9.03 | 8.26 | 0.76 | 14 |
| | 52 | 94 | 93 | 3 | 5 | 8 | 6 | 4 | 10 | -2 | 34.5 | 7.04 | 6.89 | 0.15 | 22 |
| | 53 | 96 | 95 | 4 | 2 | 6 | 5 | 4 | 9 | -3 | 40.5 | 5.72 | 4.92 | 0.8 | 13 |
| | 54 | 97 | 98 | 5 | 5 | 10 | 5 | 3 | 8 | 2 | 14.5 | 4.84 | 5.02 | -0.18 | 29 |
| | 55 | 99 | 100 | 5 | 5 | 10 | 4 | 3 | 7 | 3 | 10 | 2.87 | 5.47 | -2.6 | 45 |
| # blank cells: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | mean: | 0.02 | | | mean: | -0.1076 | |

Pooled SD from calc: 2.729102

(used this calculator for pooled SD)

SD: 3.631498896 SD: 1.793913861 SDs are for sample

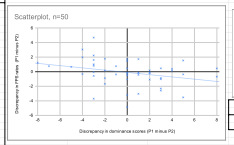
Pooled SD using Cohen's (1988) formula 2.722161759

SD: 3.206899575 SD: 1.745798459 SDs are for population

Pooled SD using Cohen's (1988) formula 2.700862984 uses

## Kiva added

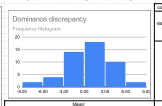
### Quick look at the data



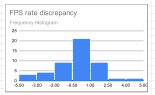

| | Discrepancy in dominance scores (P1 minus P2) | Discrepancy in FPS rates (P1 minus P2) |
|---|---|---|
| Min | -8 | -4.86 |
| Max | 8 | 4.68 |
| Range | 16 | 9.54 |
| Mean | 0.02 | -0.1076 |
| Median | 0.00 | -0.14 |

## Kiva added

### Checking for normality (to determine Pearson's vs Spearman's correlation)




| Mean |
|---|
| 0.02 |
| SD |
| 3.631498896 |




| Mean |
|---|
| -0.1076 |
| SD |
| 1.793913861 |

## Kiva added

### Reproducing Kacewicz et al. (2012's) reported statistics

| Statistic | Kacewicz et al. (2012) reported | Reproduced by Bennett (2022) | Notes |
|---|---|---|---|
| correlation coefficient | **0.38** (p: 8) | **0.382** | This checks out. I used Pearson's (rather that Spearman) because both variables were roughly normally distributed |
| statistical significance of the correlation | **0.01 < p ≤ 0.05** (p: 8) | $t =$ -2.191 | This checks out. Kacewicz et al. (2012) did not report the t-statistic, but the reproduced p-value is within the reported p-value range, so their t-value was likely the same |
| | | $p =$ 0.033 | |
| effect size | **Cohen's d = -0.82** (p: 12) | $d =$ -0.6225 | This calculation was done with the full result of the correlation coefficient, and it gets close to what they reported; see next value for more. Also, because we are relating two separate variables, not comparing two independent groups, the regular Cohen's d formula should not be used. However, the substitute formula they used =2*(SQRT(1-r^2))) is interpreted differently than Cohen's d. See ** below |
| | | $d =$ **-0.629** | This appears to be what they did, using the rounded-off correlation coefficient of -0.30 (not the full result from the correlation calculation above). Note that this is still off, and I wonder why they chose to truncate this result without rounding, as it would be more common to report this value as -0.62 than -0.63 |
| | | $d =$ 0.0241 | This is a good way to show the effect size when relating variables (rather than comparing groups). An $r^2$ of 0.08 is considered a weak/small effect |

| Statistic | Spearman |
|---|---|
| correlation coefficient | **-0.370** |
| statistical significance of the correlation | $t =$ -2.756 |
| | $p =$ **0.009** |
| effect size | $d =$ -0.80 |

**This alternate calculation of d was derived for use with point-biserial correlations (as opposed to binary variables). The appropriate interpretation of this d is seen in the difference between these hypothetical dyads:

**Mock Dyad A (representing the means for both dominance discrepancy and FPS discrepancy)**

0.02 dominance discrepancy

-0.1076 FPS discrepancy (dyad-level discrepancy, with individual FPS use represented as a percentage of total words used by a participant)

**Mock Dyad B (representing the changes to both variables, according to the d reported by Kacewicz et al., 2012)**

3.45 dominance discrepancy

-0.66 FPS discrepancy (dyad-level discrepancy, with individual FPS use represented as a percentage of total words used by a participant)

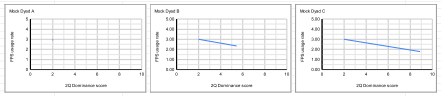
**Mock Dyad C (representing the changes to both variables, according to the d reported by Kacewicz et al., 2012)**

6.88 dominance discrepancy

-1.22 FPS discrepancy (dyad-level discrepancy, with individual FPS use represented as a percentage of total words used by a participant)

Reference for these calculations: Mathur MB, VanderWeele TJ. 2020. A Simple, Interpretable Conversion from Pearson's Correlation to Cohen's for of Continuous Exposures. *Epidemiology* Mar;31(2):e16-e18. doi: 10.1097/EDE.0000000000001105. PMID: 31688126; PMCID: PMC7990439. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7990439/#s1

**In other words, for an increase in status discrepancy of 6.88 points (out of 14 possible points), we can predict a decrease in FPS discrepancy of 1.22 percentage points.**




## Kiva added

### Most dyads for creating small multiples

| A | | B | | C | |
|---|---|---|---|---|---|
| dom | FPS | dom | FPS | dom | FPS |
| 2.02 | 2.8922 | 5.45 | 2.34 | 8.88 | 1.78 |
| 2 | 3 | 2 | 3 | 2 | 3 |
| 0.02 | -0.1076 | 3.45 | -0.66 | 6.88 | -1.22 |

## Kiva added

### Regression info

| | | | |
|---|---|---|---|
| Slope (gradient) of the line | -0.15497 | -0.10470 | Standard error for the y estimate |
| y-intercept | 0.07073 | 0.24526 | F statistic |
| Standard error value for the slope value | 0.06052 | 1.88888 | Number of degrees of freedom |
| Standard error value for the y-intercept | 4.86088 | 48 | Regression sum of squares |
| Coefficient of determination | 15.85684 | 138.53302 | Residual sum of squares |

**Interpretation:**

**If there's no status difference, they will naturally have an FPS difference of 0.07 percentage points**

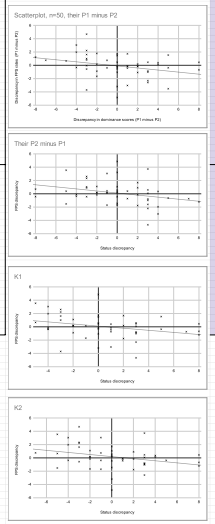
**If the status difference increases by 1 point, the FPS difference will decrease by 0.15 percentage points**

**this doesn't cover the direction of the differences though**

P2 versus P1 from Excel

| Kiss label >> | Digital # | Participant 1 (P1) | Participant 2 (P2) | 2Q Dom P1 | 2Q Dom P2 | Discrepancy in dominance scores (P1 minus P2) | Rank for Generator | P1Q PPE position rate (% of words used) | P2Q PPE position rate (% of words used) | Discrepancy in PPE position rates (P1 minus P2) | Rank for Generator |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | 9 | 10 | -9 | -68 | 1 | 8.29 | 8.94 | -0.65 | 39 |
| 2 | 3 | 2 | 7 | 9 | -2 | 34.8 | 2 | 9.01 | 7.73 | -1.78 | 49 |
| 3 | 4 | 3 | 8 | 8 | 1 | 19 | 2 | 7.93 | 6.21 | 1.72 | 8 |
| 4 | 5 | 4 | 9 | 9 | 0 | 0 | 2 | 8.94 | 8.01 | -0.93 | 27 |
| 5 | 6 | 5 | 9 | 9 | 0 | 4 | 2 | 5.88 | 6.38 | -0.38 | 22 |
| 6 | 12 | 11 | 8 | 8 | 0 | 28 | 2 | 9.15 | 8.7 | -0.45 | 17.8 |
| 7 | 14 | 13 | 8 | 8 | 0 | 10 | 2 | 8.67 | 8.12 | -0.45 | 17.8 |
| 8 | 15 | 14 | 10 | 9 | 1 | 4 | 2 | 8.94 | 8.01 | 1.93 | 9 |
| 9 | 16 | 17 | 9 | 9 | 0 | 14.8 | 2 | 8.18 | 8.33 | -0.14 | 24.8 |
| 10 | 19 | 20 | 8 | 11 | -3 | -60.8 | 2 | 9.73 | 13.45 | -3.72 | 48 |
| 11 | 21 | 22 | 10 | 11 | -1 | 21.8 | 2 | 7.4 | 7.79 | -0.39 | 20 |
| 12 | 23 | 24 | 9 | 8 | 1 | 19 | 2 | 7.31 | 7.75 | -0.44 | 34 |
| 13 | 26 | 28 | 7 | 9 | -2 | 19 | 2 | 8.18 | 8.3 | -0.12 | 27.8 |
| 14 | 28 | 27 | 13 | 8 | 5 | 1.8 | 2 | 7.99 | 8.68 | -0.69 | 37 |
| 15 | 30 | 29 | 9 | 9 | 0 | 28 | 2 | 7.87 | 12.53 | -4.66 | 50 |
| 16 | 32 | 31 | 11 | 8 | 3 | 10 | 2 | 6.67 | 7.55 | -0.88 | 38 |
| 17 | 33 | 34 | 8 | 9 | -1 | 28 | 2 | 8.32 | 6.61 | 1.71 | 7 |
| 18 | 35 | 36 | 8 | 8 | 1 | 19 | 2 | 7.7 | 7.84 | -0.14 | 28.8 |
| 19 | 38 | 37 | 8 | 9 | -1 | 28 | 2 | 9.3 | 6.01 | 3.21 | 47 |
| 20 | 40 | 39 | 7 | 10 | -3 | -60.8 | 2 | 11.06 | 6.38 | 4.68 | 1 |
| 21 | 42 | 41 | 8 | 9 | -1 | 14.8 | 2 | 9.64 | 9.47 | 0.17 | 22 |
| 22 | 43 | 44 | 9 | 9 | 0 | 8.8 | 2 | 7.19 | 6.81 | 0.38 | 22 |
| 23 | 46 | 45 | 9 | 9 | 0 | -60.8 | 2 | 6.81 | 6.97 | -0.06 | 27 |
| 24 | 48 | 47 | 7 | 7 | 0 | 28 | 2 | 7.88 | 8.92 | -1.04 | 47 |
| 25 | 49 | 50 | 7 | 10 | -3 | -60.8 | 2 | 8.48 | 9.09 | -0.61 | 38 |
| 31 | 51 | 52 | 8 | 8 | 3 | 10 | 2 | 4.94 | 6.86 | -2.32 | 47 |
| 32 | 53 | 54 | 7 | 11 | -4 | -48 | 2 | 7.38 | 7.72 | -0.34 | 37 |
| 33 | 56 | 55 | 9 | 9 | -1 | -48 | 2 | 6.83 | 4.86 | 1.97 | 8 |
| 34 | 58 | 57 | 8 | 8 | 0 | 28 | 2 | 8.1 | 6.64 | 1.46 | 12 |
| 35 | 59 | 60 | 10 | 8 | -1 | 8.8 | 2 | 7.61 | 7.49 | 0.12 | 28 |
| 36 | 61 | 62 | 4 | 12 | -8 | 80 | 2 | 8.08 | 6.87 | 1.22 | 17 |
| 37 | 63 | 64 | 8 | 8 | 0 | 14.8 | 2 | 9 | 8.09 | 1.09 | 42 |
| 38 | 66 | 65 | 8 | 8 | 0 | 28 | 2 | 6.24 | 6.39 | -0.15 | 27.8 |
| 39 | 68 | 67 | 8 | 11 | -3 | -60.8 | 2 | 7.88 | 8.07 | -1.81 | 49 |
| 40 | 69 | 70 | 8 | 10 | -2 | 34.8 | 2 | 9.63 | 7.85 | 0.8 | 12 |
| 41 | 71 | 72 | 11 | 9 | 2 | 1.8 | 2 | 6.73 | 6.29 | 0.44 | 19 |
| 42 | 74 | 73 | 7 | 8 | -1 | 21.8 | 2 | 8.42 | 7.68 | 0.74 | 12 |
| 43 | 76 | 75 | 11 | 10 | 1 | 19 | 2 | 5.1 | 8.15 | -3.05 | 49 |
| 44 | 77 | 78 | 8 | 9 | -1 | 34.8 | 2 | 5.77 | 7.97 | -1.97 | 43 |
| 45 | 80 | 79 | 11 | 8 | 3 | 10 | 2 | 6.93 | 6.97 | -1.04 | 41 |
| 46 | 81 | 82 | 9 | 7 | 2 | 10.8 | 2 | 10.64 | 8.42 | 2.22 | 2 |
| 47 | 84 | 83 | 8 | 9 | -1 | 28 | 2 | 4.1 | 7.65 | -3.55 | 48 |
| 48 | 85 | 86 | 4 | 7 | -3 | -60.8 | 2 | 5.36 | 4.36 | 1 | 12 |
| 49 | 87 | 88 | 5 | 9 | -4 | 48 | 2 | 6.26 | 3.37 | 3.04 | 2 |
| 50 | 90 | 89 | 7 | 7 | 0 | 28 | 2 | 6.39 | 6.7 | -0.31 | 30 |
| 51 | 92 | 91 | 8 | 10 | -2 | 48 | 2 | 9.03 | 8.28 | 0.75 | 14 |
| 52 | 94 | 93 | 8 | 10 | -2 | 34.8 | 2 | 7.04 | 6.89 | 0.15 | 22 |
| 53 | 96 | 95 | 8 | 9 | -1 | -60.8 | 2 | 5.72 | 4.92 | 0.8 | 28 |
| 54 | 97 | 98 | 10 | 8 | 2 | 14.8 | 2 | 4.84 | 9.02 | -4.18 | 29 |
| 55 | 99 | 100 | 10 | 7 | 3 | 10 | 2 | 3.87 | 6.47 | -2.6 | 49 |
| | | | | mean: | 0.02 | | mean: | | | -0.1875 | |

Quick look at the data




| | 2Q Dom P1 | 2Q Dom P2 | Discrepancy in dominance scores (P1 minus P2) | Rank for Generator | P1Q PPE position rate (% of words used) | P2Q PPE position rate (% of words used) | Discrepancy in PPE position rates (P1 minus P2) | Rank for Generator |
|---|---|---|---|---|---|---|---|---|
| 9 | 10 | 8 | 2 | 2 | 8.29 | 8.94 | -0.65 | 39 |
| 10 | 9 | 7 | 2 | 18.8 | 9.01 | 7.73 | -1.78 | 49 |
| 11 | 8 | 8 | -1 | 32 | 7.93 | 6.21 | 1.72 | 8 |
| 12 | 9 | 9 | 0 | 0 | 8.94 | 8.01 | -0.93 | 27 |
| 13 | 9 | 9 | -1 | 47 | 5.88 | 6.38 | -0.38 | 22 |
| 14 | 8 | 8 | 0 | 28 | 9.15 | 8.7 | -0.45 | 17.8 |
| 15 | 8 | 8 | -1 | 47 | 8.67 | 8.12 | -0.45 | 17.8 |
| 16 | 9 | 9 | 0 | 47 | 8.94 | 8.01 | -1.93 | 12 |
| 17 | 9 | 9 | -2 | 38.8 | 8.18 | 8.33 | -0.14 | 24.8 |
| 18 | 11 | 8 | 3 | 10.8 | 9.73 | 13.45 | -3.72 | 48 |
| 19 | 11 | 10 | -1 | 21.8 | 7.4 | 7.79 | -0.39 | 20 |
| 20 | 8 | 9 | -1 | 32 | 7.31 | 7.75 | -0.44 | 34 |
| 21 | 8 | 8 | 1 | 19 | 8.18 | 8.3 | -0.12 | 27.8 |
| 22 | 8 | 8 | 0 | 1.8 | 7.99 | 8.68 | -0.69 | 37 |
| 23 | 9 | 9 | 0 | 28 | 7.87 | 12.53 | -4.66 | 50 |
| 24 | 8 | 9 | 3 | 10 | 6.67 | 7.55 | -0.88 | 38 |
| 25 | 9 | 9 | 0 | 28 | 8.32 | 6.61 | 1.71 | 7 |
| 26 | 9 | 8 | 1 | 19 | 7.7 | 7.84 | -0.14 | 28.8 |
| 27 | 9 | 9 | 0 | 28 | 9.3 | 6.01 | 3.21 | 47 |
| 28 | 10 | 9 | 3 | 10.8 | 11.06 | 6.38 | 4.68 | 1 |
| 29 | 9 | 9 | -2 | 38.8 | 9.64 | 9.47 | 0.17 | 22 |
| 30 | 9 | 9 | -4 | 44.8 | 7.19 | 6.81 | 0.38 | 22 |
| 31 | 9 | 9 | 3 | 10.8 | 6.81 | 6.97 | -0.06 | 27 |
| 32 | 7 | 7 | 0 | 28 | 7.88 | 8.92 | -1.04 | 47 |
| 33 | 10 | 9 | 3 | 10.8 | 8.48 | 9.09 | -0.61 | 38 |
| 34 | 8 | 8 | 3 | 10.8 | 4.94 | 6.86 | -2.32 | 47 |
| 35 | 11 | 8 | -4 | 48 | 7.38 | 7.72 | -0.34 | 37 |
| 36 | 9 | 9 | 0 | 8 | 6.83 | 4.86 | 1.97 | 8 |
| 37 | 8 | 8 | 0 | 28 | 8.1 | 6.64 | 1.46 | 12 |
| 38 | 10 | 8 | -4 | 44.8 | 7.61 | 7.49 | 0.12 | 28 |
| 39 | 12 | 8 | 1 | 7 | 8.08 | 6.87 | 1.22 | 17 |
| 40 | 8 | 8 | -2 | 38.8 | 9 | 8.09 | 1.09 | 42 |
| 41 | 8 | 8 | 0 | 28 | 6.24 | 6.39 | -0.15 | 27.8 |
| 42 | 11 | 8 | 3 | 10.8 | 7.88 | 8.07 | -1.81 | 49 |
| 43 | 10 | 9 | -2 | 18.8 | 9.63 | 7.85 | 0.8 | 12 |
| 44 | 11 | 9 | 2 | 1.8 | 6.73 | 6.29 | 0.44 | 19 |
| 45 | 8 | 8 | 1 | 19.8 | 8.42 | 7.68 | 0.74 | 12 |
| 46 | 11 | 10 | -1 | 32 | 5.1 | 8.15 | -3.05 | 49 |
| 47 | 9 | 9 | -2 | 38.8 | 5.77 | 7.97 | -1.97 | 43 |
| 48 | 11 | 8 | 3 | 10.8 | 6.93 | 6.97 | -1.04 | 41 |
| 49 | 8 | 9 | -1 | 32 | 10.64 | 8.42 | 2.22 | 2 |
| 50 | 7 | 8 | 0 | 28 | 4.1 | 7.65 | -3.55 | 48 |
| 51 | 8 | 8 | 3 | 10.8 | 5.36 | 4.36 | 1 | 12 |
| 52 | 9 | 8 | -4 | 48 | 6.26 | 3.37 | 3.04 | 2 |
| 53 | 7 | 7 | 0 | 28 | 6.39 | 6.7 | -0.31 | 30 |
| 54 | 10 | 7 | 2 | 18.8 | 9.03 | 8.28 | 0.75 | 14 |
| 55 | 10 | 7 | -2 | 34.8 | 7.04 | 6.89 | 0.15 | 22 |
| 56 | 9 | 9 | 3 | 10.8 | 5.72 | 4.92 | -0.8 | 28 |
| 57 | 10 | 8 | -2 | 38.8 | 4.84 | 9.02 | -4.18 | 29 |
| 58 | 7 | 10 | -3 | 47 | 3.87 | 6.47 | -2.6 | 49 |
| | | | mean: | -0.02 | | | mean: | 0.1875 |

Randomization of designation: Kiss's 2nd (K1)

| random position | 2Q Dom P1 (K1) | 2Q Dom P2 (K1) | Discrepancy in dominance scores (K1 minus P1) | Rank for Generator | PPE(P1Q) | PPE(P2Q) | Discrepancy in PPE position rate (K1 minus P1) | Rank for Generator |
|---|---|---|---|---|---|---|---|---|
| 1 | 9 | 10 | -1 | 47.8 | 8.29 | 8.94 | -0.65 | 14 |
| 2 | 10 | 7 | 3 | 16 | 7.73 | 9.01 | -1.78 | 43 |
| 3 | 8 | 8 | -1 | 22.8 | 6.21 | 7.93 | -1.72 | 44 |
| 4 | 10 | 9 | 1 | 8.8 | 8.94 | 8.01 | 0.93 | 27 |
| 5 | 9 | 9 | 0 | 8.8 | 5.88 | 6.38 | -0.38 | 27 |
| 6 | 8 | 8 | 0 | 27 | 9.15 | 8.7 | 0.45 | 17.8 |
| 7 | 8 | 8 | 0 | 10.8 | 8.67 | 8.12 | 0.45 | 17.8 |
| 8 | 10 | 9 | 0 | 47 | 8.94 | 8.01 | -1.93 | 12 |
| 9 | 9 | 9 | -2 | 36 | 8.32 | 8.18 | 0.14 | 24 |
| 10 | 8 | 11 | -3 | 47 | 9.73 | 13.45 | -3.72 | 48 |
| 11 | 10 | 11 | 1 | 20 | 7.4 | 7.79 | -0.39 | 20 |
| 12 | 9 | 8 | -1 | 32 | 7.31 | 7.75 | -0.44 | 34 |
| 13 | 7 | 8 | -1 | 32 | 8.18 | 8.3 | -0.12 | 28.8 |
| 14 | 13 | 8 | 5 | 49.8 | 7.99 | 8.68 | -0.69 | 39 |
| 15 | 9 | 9 | 0 | 27 | 12.53 | 7.87 | 4.66 | 1 |
| 16 | 11 | 8 | 3 | 10.8 | 6.67 | 7.55 | -0.88 | 39 |
| 17 | 9 | 9 | 0 | 27 | 8.32 | 6.61 | 1.71 | 7 |
| 18 | 8 | 8 | 1 | 19 | 7.7 | 7.84 | -0.14 | 28 |
| 19 | 9 | 9 | 0 | 27 | 9.3 | 6.01 | 3.21 | 48 |
| 20 | 7 | 10 | 3 | 10.8 | 11.06 | 6.38 | 4.68 | 2 |
| 21 | 9 | 9 | 2 | 16 | 9.64 | 9.47 | 0.17 | 22 |
| 22 | 9 | 9 | -4 | 49 | 7.19 | 6.81 | 0.38 | 22 |
| 23 | 9 | 9 | 3 | 10.8 | 6.81 | 6.97 | -0.06 | 27 |
| 24 | 7 | 7 | 0 | 27 | 7.88 | 8.92 | -1.04 | 47 |
| 25 | 10 | 9 | 3 | 10.8 | 8.48 | 9.09 | -0.61 | 38 |
| 26 | 9 | 8 | 3 | 10.8 | 4.94 | 6.86 | -2.32 | 47 |
| 27 | 11 | 8 | -4 | 48 | 7.38 | 7.72 | -0.34 | 37 |
| 28 | 9 | 9 | -4 | 48 | 6.83 | 4.86 | 1.97 | 8 |
| 29 | 8 | 8 | 0 | 27 | 8.1 | 6.64 | 1.46 | 11 |
| 30 | 10 | 8 | -4 | 44.8 | 7.61 | 7.49 | 0.12 | 27 |
| 31 | 12 | 8 | 1 | 7 | 8.08 | 6.87 | 1.22 | 45 |
| 32 | 8 | 8 | -2 | 38.8 | 9 | 8.09 | 1.09 | 12 |
| 33 | 8 | 8 | 0 | 27 | 6.24 | 6.39 | -0.15 | 26.8 |
| 34 | 11 | 8 | 3 | 10.8 | 7.88 | 8.07 | -1.81 | 49 |
| 35 | 10 | 10 | -2 | 36 | 9.63 | 7.85 | 0.8 | 12 |
| 36 | 11 | 9 | 2 | 1 | 6.73 | 6.29 | 0.44 | 18 |
| 37 | 8 | 8 | 1 | 20 | 7.68 | 8.42 | -0.74 | 38 |
| 38 | 11 | 10 | -1 | 32 | 5.1 | 8.15 | -3.05 | 47 |
| 39 | 8 | 9 | 1 | 19 | 5.77 | 7.97 | -1.97 | 43 |
| 40 | 11 | 8 | 3 | 10.8 | 6.93 | 6.97 | -1.04 | 41 |
| 41 | 9 | 9 | -1 | 32 | 10.64 | 8.42 | 2.22 | 2 |
| 42 | 7 | 8 | 0 | 28 | 4.1 | 7.65 | -3.55 | 48 |
| 43 | 7 | 8 | 3 | 10.8 | 5.36 | 4.36 | 1 | 12 |
| 44 | 5 | 9 | -4 | 48 | 6.26 | 3.37 | 3.04 | 2 |
| 45 | 7 | 7 | 0 | 28 | 6.39 | 6.7 | -0.31 | 30 |
| 46 | 10 | 7 | 2 | 18.8 | 9.03 | 8.28 | 0.75 | 14 |
| 47 | 8 | 10 | -2 | 36 | 7.04 | 6.89 | 0.15 | 22 |
| 48 | 9 | 9 | 3 | 10.8 | 5.72 | 4.92 | -0.8 | 28 |
| 49 | 10 | 8 | -2 | 38.8 | 4.84 | 9.02 | -4.18 | 29 |
| 50 | 7 | 10 | -3 | 47 | 3.87 | 6.47 | -2.6 | 49 |
| | | | mean: | 0.38 | | | mean: | |

Randomization of designation: Kiss's 2nd (K2)

| random position | 2Q Dom P1 (K2) | 2Q Dom P2 (K2) | Discrepancy in dominance scores (K2 minus P1) | Rank for Generator | PPE(P1Q) | PPE(P2Q) | Discrepancy in PPE position rate (K2 minus P1) | Rank for Generator |
|---|---|---|---|---|---|---|---|---|
| 1 | 9 | 10 | -1 | 48 | 8.29 | 8.94 | -0.65 | 39 |
| 2 | 9 | 7 | 2 | 18.8 | 7.73 | 9.01 | -1.78 | 47 |
| 3 | 8 | 8 | -1 | 31.8 | 6.21 | 7.93 | -1.72 | 48 |
| 4 | 9 | 9 | 0 | 0 | 8.94 | 8.01 | 0.93 | 27 |
| 5 | 9 | 9 | 1 | 8 | 5.88 | 6.38 | -0.38 | 27 |
| 6 | 8 | 8 | 0 | 28 | 9.15 | 8.7 | 0.45 | 39 |
| 7 | 8 | 8 | 0 | 28 | 8.67 | 8.12 | 0.45 | 18 |
| 8 | 9 | 9 | 0 | 48 | 8.94 | 8.01 | -1.93 | 44 |
| 9 | 8 | 9 | -2 | 38 | 8.32 | 8.18 | 0.14 | 28 |
| 10 | 11 | 8 | 3 | 10.8 | 9.73 | 13.45 | -3.72 | 49 |
| 11 | 10 | 10 | -1 | 21.8 | 7.4 | 7.79 | -0.39 | 20 |
| 12 | 9 | 8 | 1 | 18.8 | 7.31 | 7.75 | -0.44 | 34 |
| 13 | 7 | 8 | 1 | 19 | 8.18 | 8.3 | -0.12 | 28.8 |
| 14 | 8 | 8 | 0 | 2 | 7.99 | 8.68 | -0.69 | 37 |
| 15 | 9 | 9 | 0 | 28 | 7.87 | 12.53 | -4.66 | 50 |
| 16 | 11 | 8 | 3 | 10.8 | 6.67 | 7.55 | -0.88 | 39 |
| 17 | 8 | 9 | 0 | 28 | 8.32 | 6.61 | 1.71 | 8 |
| 18 | 8 | 8 | 1 | 19 | 7.7 | 7.84 | -0.14 | 22 |
| 19 | 9 | 9 | 0 | 28 | 9.3 | 6.01 | 3.21 | 48 |
| 20 | 7 | 10 | -3 | 47 | 11.06 | 6.38 | 4.68 | 1 |
| 21 | 8 | 9 | -2 | 38.8 | 9.64 | 9.47 | 0.17 | 29 |
| 22 | 9 | 9 | -4 | 49 | 7.19 | 6.81 | -0.38 | 32 |
| 23 | 9 | 9 | 3 | 10.8 | 6.81 | 6.97 | -0.06 | 28 |
| 24 | 7 | 7 | 0 | 28 | 7.88 | 8.92 | -1.04 | 12 |
| 25 | 7 | 10 | -3 | 47 | 8.48 | 9.09 | -0.61 | 38 |
| 26 | 8 | 8 | -3 | 47 | 6.86 | 4.94 | 2.32 | 8 |
| 27 | 11 | 7 | 4 | 8.8 | 7.72 | 7.38 | 0.34 | 20 |
| 28 | 9 | 8 | -4 | 49 | 6.83 | 4.86 | 1.97 | 8 |
| 29 | 8 | 8 | 0 | 28 | 6.64 | 8.1 | -1.46 | 42 |
| 30 | 10 | 8 | -4 | 8.8 | 7.61 | 7.49 | 0.12 | 28 |
| 31 | 12 | 8 | 1 | 7 | 6.87 | 8.08 | -1.22 | 42 |
| 32 | 8 | 8 | -2 | 38 | 6.09 | 9 | 1.09 | 11 |
| 33 | 8 | 8 | 0 | 28 | 6.39 | 6.24 | 0.15 | 22 |
| 34 | 8 | 8 | 3 | 10.8 | 8.07 | 7.88 | 1.81 | 8 |
| 35 | 9 | 10 | -2 | 38 | 7.85 | 9.63 | -0.8 | 38 |
| 36 | 11 | 9 | 2 | 1 | 6.29 | 6.73 | -0.44 | 22.8 |
| 37 | 8 | 8 | 1 | 20 | 7.68 | 8.42 | -0.74 | 38 |
| 38 | 11 | 10 | -1 | 31.8 | 8.15 | 5.1 | 3.05 | 4 |
| 39 | 8 | 9 | -2 | 38 | 4.1 | 5.77 | -1.67 | 43 |
| 40 | 11 | 8 | 3 | 10.8 | 6.93 | 6.97 | -1.04 | 41 |
| 41 | 9 | 9 | -1 | 31.8 | 8.42 | 10.64 | -2.22 | 2 |
| 42 | 7 | 8 | 0 | 28 | 7.65 | 4.1 | 3.55 | 47 |
| 43 | 7 | 8 | 3 | 10.8 | 4.36 | 5.36 | -1 | 12 |
| 44 | 5 | 9 | -4 | 48 | 3.37 | 6.26 | -2.9 | 3 |
| 45 | 7 | 7 | 0 | 28 | 6.7 | 6.39 | 0.31 | 27 |
| 46 | 10 | 7 | 2 | 18.8 | 8.28 | 9.03 | -0.75 | 27 |
| 47 | 8 | 10 | -2 | 38 | 6.89 | 7.04 | -0.15 | 22 |
| 48 | 9 | 9 | 3 | 10.8 | 4.92 | 5.72 | -0.8 | 28 |
| 49 | 10 | 8 | -2 | 38.8 | 9.02 | 4.84 | 4.18 | 27 |
| 50 | 7 | 10 | -3 | 47 | 6.47 | 3.87 | 2.6 | 49 |
| | | | mean: | 0.14 | | | mean: | |

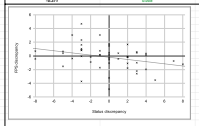
Randomization of designation: Kiss's 2nd (K3)

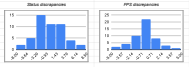
| random position | 2Q Dom P1 (K3) | 2Q Dom P2 (K3) | Discrepancy in dominance scores (K3 minus P1) | Rank for Generator | PPE(P1Q) | PPE(P2Q) | Discrepancy in PPE position rate (K3 minus P1) | Rank for Generator |
|---|---|---|---|---|---|---|---|---|
| 1 | 9 | 10 | -1 | 47 | 8.29 | 8.94 | -0.65 | 14 |
| 2 | 9 | 7 | 2 | 18.8 | 7.73 | 9.01 | -1.78 | 43 |
| 3 | 8 | 8 | -1 | 0 | 6.21 | 7.93 | -1.72 | 42 |
| 4 | 9 | 9 | 0 | 0 | 8.94 | 8.01 | 0.93 | 27 |
| 5 | 9 | 9 | -1 | 47 | 5.88 | 6.38 | -0.38 | 27 |
| 6 | 8 | 8 | 0 | 28 | 9.15 | 8.7 | 0.45 | 18.8 |
| 7 | 8 | 8 | 0 | 28 | 8.67 | 8.12 | 0.45 | 18.8 |
| 8 | 9 | 9 | -1 | 48 | 8.94 | 8.01 | -1.93 | 41 |
| 9 | 8 | 9 | 2 | 38 | 8.32 | 8.18 | 0.14 | 28 |
| 10 | 9 | 11 | -3 | 38.8 | 9.73 | 13.45 | -3.72 | 49 |
| 11 | 10 | 11 | 1 | 18 | 7.4 | 7.79 | -0.39 | 38 |
| 12 | 9 | 8 | 1 | 18.8 | 7.31 | 7.75 | -0.44 | 32.8 |
| 13 | 7 | 8 | 1 | 19 | 8.18 | 8.3 | -0.12 | 27.8 |
| 14 | 8 | 8 | 0 | 2 | 7.99 | 8.68 | -0.69 | 37 |
| 15 | 9 | 9 | 0 | 28 | 7.87 | 12.53 | -4.66 | 50 |
| 16 | 11 | 8 | 3 | 10.8 | 6.67 | 7.55 | -0.88 | 39 |
| 17 | 8 | 9 | 0 | 28 | 8.32 | 6.61 | 1.71 | 8 |
| 18 | 8 | 8 | 1 | 19 | 7.7 | 7.84 | -0.14 | 22 |
| 19 | 9 | 9 | 0 | 28 | 9.3 | 6.01 | 3.21 | 48 |
| 20 | 7 | 10 | -3 | 47 | 11.06 | 6.38 | 4.68 | 1 |
| 21 | 8 | 9 | -2 | 38.8 | 9.47 | 9.64 | -0.17 | 29 |
| 22 | 9 | 9 | -4 | 49 | 6.81 | 7.19 | -0.38 | 32 |
| 23 | 9 | 9 | 3 | 10.8 | 6.97 | 6.81 | 0.06 | 28 |
| 24 | 7 | 7 | 0 | 28 | 8.92 | 7.88 | 1.04 | 12 |
| 25 | 7 | 10 | -3 | 47 | 6.48 | 9.09 | -0.61 | 38 |
| 26 | 8 | 8 | -3 | 47 | 6.86 | 4.94 | 2.32 | 8 |
| 27 | 11 | 7 | 4 | 8.8 | 7.72 | 7.38 | 0.34 | 20 |
| 28 | 9 | 8 | -4 | 49 | 6.83 | 4.86 | 1.97 | 8 |
| 29 | 8 | 8 | 0 | 28 | 6.64 | 8.1 | -1.46 | 42 |
| 30 | 8 | 8 | 4 | 8.8 | 7.61 | 7.49 | 0.12 | 28 |
| 31 | 12 | 8 | 1 | 7 | 6.87 | 8.08 | -1.22 | 42 |
| 32 | 8 | 8 | -2 | 38 | 6.09 | 9 | 1.09 | 11 |
| 33 | 8 | 8 | 0 | 28 | 6.39 | 6.24 | 0.15 | 22 |
| 34 | 8 | 8 | -3 | 47 | 7.88 | 8.07 | 1.81 | 8 |
| 35 | 10 | 9 | 2 | 18 | 7.85 | 9.63 | -0.8 | 38 |
| 36 | 11 | 9 | 2 | 1 | 6.73 | 6.29 | 0.44 | 18 |
| 37 | 8 | 8 | -1 | 31.8 | 8.42 | 7.68 | 0.74 | 12 |
| 38 | 10 | 11 | -1 | 31.8 | 8.15 | 5.1 | 3.05 | 4 |
| 39 | 9 | 8 | 2 | 38 | 4.1 | 5.77 | -1.67 | 43 |
| 40 | 11 | 8 | 3 | 10.8 | 6.93 | 6.97 | -1.04 | 41 |
| 41 | 9 | 9 | -1 | 31.8 | 8.42 | 10.64 | -2.22 | 2 |
| 42 | 7 | 8 | 0 | 28 | 7.65 | 4.1 | 3.55 | 47 |
| 43 | 7 | 8 | 3 | 10.8 | 4.36 | 5.36 | -1 | 12 |
| 44 | 5 | 9 | -4 | 48 | 3.37 | 6.26 | -2.9 | 3 |
| 45 | 7 | 7 | 0 | 28 | 6.7 | 6.39 | 0.31 | 27 |
| 46 | 10 | 7 | 2 | 18.8 | 8.28 | 9.03 | -0.75 | 14 |
| 47 | 8 | 10 | -2 | 38 | 6.89 | 7.04 | -0.15 | 27 |
| 48 | 9 | 9 | 3 | 10.8 | 4.92 | 5.72 | -0.8 | 28 |
| 49 | 10 | 8 | 2 | 18 | 4.84 | 9.02 | -0.18 | 30 |
| 50 | 7 | 10 | -3 | 47 | 6.47 | 3.87 | -2.6 | 49 |
| | | | mean: | -0.22 | | | mean: | |

## Randomization: #

| Pearson's | p-value | t-value |
|---|---|---|
| -0.210 | 0.033 | -2.287 |

| Spearman's | p-value | t-value |
|---|---|---|
| -0.277 | 0.005 | -2.787 |




☐ <<< *See folder: "100 randomizations"*

6 randomizations greater than 0.05 for Pearson: 23, 37, **48**, **50**, 92, 94

3 randomizations greater than 0.05 for Spearman: 27, **48**, **50**

Lowest Spearman: -0.295 (**#88**)
Highest Spearman: -0.616 (**#94**)

Randomization in column AN will keep resetting every time something changes (e.g., typing something in a cell). To stop that, remove the =RANDBETWEEN() function

# Understanding IRQ Scores

With status understood as zero-sum and measured on a 7-point Likert scale

| P1's self-report | ...is an other-report of | Implied status discrepancy |
|---|---|---|
| 1 | 7 | -6 |
| 2 | 6 | -4 |
| 3 | 5 | -2 |
| 4 | 4 | 0 |
| 5 | 3 | 2 |
| 6 | 2 | 4 |
| 7 | 1 | 6 |

| P2's self-report | ...is an other-report of | Implied status discrepancy |
|---|---|---|
| 1 | 7 | 6 |
| 2 | 6 | 4 |
| 3 | 5 | 2 |
| 4 | 4 | 0 |
| 5 | 3 | -2 |
| 6 | 2 | -4 |
| 7 | 1 | -6 |

# Understanding Participant Agreement

Colors are used here to visually connect the dyads between the charts; Shapes and/or labels also distinguish differences even when colors are unavailble to the viewer

As an example, look at the top chart, specifically the row for Agreement scores of 8. The **two blue &s** indicate Likert scores of 2 and 6.

The corresponding hypothetical dyad can be seen in the bottom chart, in the row with the **blue 8** in the "Ideal" section, along with the interpretation of the reported 2 and 6 scores

## Hypothetical score combinations

For each possible total (2-14), possible combinations are shown as pairs of same-color symbols (i.e., #, X, &, @)

| Likert Score >> | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Agreement score | | | | | | | |
| 14 | | | | | | | XX |
| 13 | | | | | | X | X |
| 12 | | | | | # | XX | # |
| 11 | | | | # | X | X | # |
| 10 | | | & | # | XX | # | & |
| 9 | | & | # | X | X | # | & |
| 8 | @ | & | # | XX | # | & | @ |
| 7 | & | # | X | X | # | & | |
| 6 | & | # | XX | # | & | | |
| 5 | # | X | X | # | | | |
| 4 | # | XX | # | | | | |
| 3 | X | X | | | | | |
| 2 | XX | | | | | | |

<< How to read: One person reported 6 and the other reported 7

**<< Reasonable agreement = 9**

**<< Ideal agreement = 8**

**<< Reasonable agreement = 9**

These designations are explained in the chart below

<< How to read (green Xs): One person reported 1 and the other reported 4

## Interpreting the Likert scores and agreement scrores

| | | Is the status variable reliable? | Agreement score | A says | | | B says | | | Degree to which they disagree | Narrative: What's going on here? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *11 is unacceptable, so not charting the more extreme scores (12-14)* | | | | A = | B = | dom dif | A = | B = | dom diff | | |
| | | unacceptable | 11 | **5** | 3 | 2 | 2 | **6** | -4 | 6 | Disgree who is higher, and to what degree // A thinks themself a bit higher; B thinks themself even higher |
| | | | 11 | **4** | 4 | 0 | 1 | **7** | -6 | 6 | Equal vs extreme dif // A thinks they're equal; B thinks themself highest possible |
| Red **10**s (both thought selves higher): Included in "sorta agreed"; excluded from "didn't disagree" | >> | no | 10 | **5** | 3 | 2 | 3 | **5** | -2 | 4 | They both think themselves a bit higher than the other |
| | | | 10 | **4** | 4 | 0 | 2 | **6** | -4 | 4 | A thinks they're equal; B thinks themself significantly higher |
| | | | 10 | **3** | 5 | -2 | 1 | **7** | -6 | 4 | Agree who is higher, but to diff degrees // A thinks themself a bit lower, so B a bit higher; B thinks themself highest possible |
| | | reasonable | 9 | **4** | 4 | 0 | 3 | **5** | -2 | 2 | A thinks they're equal; B thinks themself a bit higher |
| | | | 9 | **3** | 5 | -2 | 2 | **6** | -4 | 2 | They agree who is higher, but B sees it as a bit bigger diff than A does |
| | | | 9 | **2** | 6 | -4 | 1 | **7** | -6 | 2 | They agree who is higher, but B sees it as a bit bigger diff than A does |
| | | ideal | 8 | **4** | 4 | 0 | 4 | **4** | 0 | 0 | Agree that they're equal |
| | | | 8 | **3** | 5 | -2 | 3 | **5** | -2 | 0 | Agree who is higher and to what degree |
| | | | 8 | **2** | 6 | -4 | 2 | **6** | -4 | 0 | |
| | | | 8 | **1** | 7 | -6 | 1 | **7** | -6 | 0 | |
| | | reasonable | 7 | **3** | 5 | -2 | 4 | **4** | 0 | -2 | Same as 9s, but flip A and B |
| | | | 7 | **2** | 6 | -4 | 3 | **5** | -2 | -2 | |
| | | | 7 | **1** | 7 | -6 | 2 | **6** | -4 | -2 | |
| Red **6**s (both thought selves lower): Included in "sorta agreed"; excluded from "didn't disagree" | >> | no | 6 | **3** | 5 | -2 | 5 | **3** | 2 | -4 | Same as 10s, but flip A and B |
| | | | 6 | **2** | 6 | -4 | 4 | **4** | 0 | -4 | |
| | | | 6 | **1** | 7 | -6 | 3 | **5** | -2 | -4 | |
| | | unacceptable | 5 | **2** | 6 | -4 | 5 | **3** | 2 | -6 | Same as 11s, but flip A and B |
| | | | 5 | **1** | 7 | -6 | 4 | **4** | 0 | -6 | |
| *5 is unacceptable, so not charting more the extreme scores (2-4)* | | | | | | | | | | | |

| Kace column >> | C | A | B | Kiva added | Kiva added | G | Q | CM | FB | FM | HL | Kiva added | FW | HV | Kiva added | Kiva added | Kiva added |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | | | domindf | i1 | i2 | idif | irq4 | irq4b | | irq15 | irq15b | | | |
| Kiva label >> | | | | | | | | | | | | | | | | | |
| Notes | Dyad # | Participant 1 (P1) | Participant 2 (P2) | Kace's dominance score for P1 | Kace's dominance score for P2 | Discrepancy in dominance scores (P1 minus P2) | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | Discrepancy in FPS pronoun rate (P1 minus P2) | P1's IRQ4 response | P2's IRQ4 response | Agreement (8 = perfect agreement) | P1's IRQ15 response | P2's IRQ15 response | Agreement (8 = perfect agreement) | Completely agreed (8) on both | Completely or partially agreed (7-9) on both |
| | 1 | 2 | 1 | 5 | 10 | -9 | 6.29 | 5.64 | 0.65 | 4 | 5 | 9 | 1 | 5 | 6 | FALSE | FALSE |
| 2Q: reasonable/ideal | 2 | 3 | 4 | 7 | 9 | -5 | 9.51 | 7.73 | 1.78 | 3 | 5 | 8 | 4 | 4 | 8 | TRUE | TRUE |
| | 3 | 6 | 5 | 6 | 5 | -1 | 7.93 | 6.21 | 1.72 | 4 | 3 | 7 | 2 | 2 | 4 | FALSE | FALSE |
| | 4 | 7 | 8 | 12 | 7 | 7 | 6.64 | 10.18 | -3.54 | 6 | 4 | 10 | 6 | 3 | 9 | FALSE | FALSE |
| | 5 | 9 | 10 | 9 | 4 | 9 | 5.88 | 6.26 | -0.38 | 5 | 3 | 8 | 4 | 1 | 5 | FALSE | FALSE |
| | 6 | 12 | 11 | 6 | 6 | -2 | 9.15 | 8.7 | 0.45 | 4 | 4 | 8 | 2 | 2 | 4 | FALSE | FALSE |
| | 7 | 14 | 13 | 8 | 5 | 4 | 8.57 | 8.12 | 0.45 | 4 | 4 | 8 | 4 | 1 | 5 | FALSE | FALSE |
| | 8 | 15 | 16 | 10 | 5 | 6 | 6.54 | 5.01 | 1.53 | 5 | 4 | 9 | 5 | 1 | 6 | FALSE | FALSE |
| | 9 | 18 | 17 | 8 | 6 | 8 | 8.18 | 8.32 | -0.14 | 7 | 3 | 10 | 1 | 3 | 4 | FALSE | FALSE |
| | 10 | 19 | 20 | 8 | 11 | -6 | 9.73 | 13.45 | -3.72 | 6 | 5 | 11 | 2 | 6 | 8 | FALSE | FALSE |
| | 11 | 21 | 22 | 10 | 11 | 0 | 7.4 | 7.79 | -0.39 | 5 | 6 | 11 | 5 | 5 | 10 | FALSE | FALSE |
| 2Q: reasonable/ideal | 12 | 23 | 24 | 9 | 8 | 2 | 7.31 | 7.75 | -0.44 | 4 | 4 | 8 | 5 | 4 | 9 | FALSE | TRUE |
| | 13 | 25 | 26 | 7 | 6 | 2 | 6.15 | 6.3 | -0.15 | 5 | 5 | 10 | 2 | 1 | 3 | FALSE | FALSE |
| | 14 | 28 | 27 | 13 | 5 | 14 | 7.99 | 8.68 | -0.69 | 7 | 4 | 11 | 6 | 1 | 7 | FALSE | FALSE |
| 2Q: reasonable/ideal | 15 | 30 | 29 | 9 | 9 | 2 | 7.67 | 12.53 | -4.86 | 4 | 5 | 9 | 5 | 4 | 9 | FALSE | TRUE |
| | 16 | 32 | 31 | 11 | 8 | 9 | 6.67 | 7.55 | -0.88 | 4 | 4 | 8 | 7 | 4 | 11 | FALSE | FALSE |
| | 17 | 33 | 34 | 8 | 8 | 3 | 8.32 | 6.61 | 1.71 | 6 | 4 | 10 | 2 | 4 | 6 | FALSE | FALSE |
| | 18 | 35 | 36 | 6 | 5 | -3 | 7.7 | 7.84 | -0.14 | 5 | 4 | 9 | 1 | 1 | 2 | FALSE | FALSE |
| | 19 | 38 | 37 | 6 | 6 | 1 | 6.3 | 9.51 | -3.21 | 5 | 5 | 10 | 1 | 1 | 2 | FALSE | FALSE |
| 2Q: reasonable/ideal | 20 | 40 | 39 | 7 | 10 | -4 | 11.06 | 6.38 | 4.68 | 4 | 5 | 9 | 3 | 5 | 8 | FALSE | TRUE |
| 2Q: reasonable/ideal | 21 | 42 | 41 | 8 | 6 | 2 | 9.84 | 9.47 | 0.17 | 4 | 3 | 7 | 4 | 3 | 7 | FALSE | TRUE |
| | 22 | 43 | 44 | 9 | 5 | 3 | 7.19 | 6.81 | 0.38 | 5 | 4 | 9 | 4 | 1 | 5 | FALSE | FALSE |
| | 23 | 46 | 45 | 5 | 8 | -6 | 6.91 | 6.97 | -0.06 | 4 | 5 | 9 | 1 | 3 | 4 | FALSE | FALSE |
| | 24 | 48 | 47 | 7 | 7 | -1 | 7.86 | 8.92 | -1.06 | 5 | 4 | 9 | 2 | 3 | 5 | FALSE | FALSE |
| | 25 | 49 | 50 | 7 | 10 | -3 | 8.48 | 9.06 | -0.58 | 6 | 5 | 11 | 1 | 5 | 6 | FALSE | FALSE |
| | 31 | 51 | 52 | 8 | 5 | 3 | 4.54 | 6.86 | -2.32 | 4 | 4 | 8 | 4 | 1 | 5 | FALSE | FALSE |
| 2Q: reasonable/ideal | 32 | 53 | 54 | 7 | 11 | -7 | 7.38 | 7.72 | -0.34 | 3 | 6 | 9 | 4 | 5 | 9 | FALSE | TRUE |
| | 33 | 56 | 55 | 5 | 9 | -6 | 6.83 | 4.86 | 1.97 | 4 | 5 | 9 | 1 | 4 | 5 | FALSE | FALSE |
| 2Q: reasonable/ideal | 34 | 58 | 57 | 8 | 8 | -1 | 8.1 | 6.64 | 1.46 | 4 | 4 | 8 | 4 | 4 | 8 | TRUE | TRUE |
| 2Q: reasonable/ideal | 35 | 59 | 60 | 10 | 6 | 10 | 7.61 | 7.49 | 0.12 | 5 | 3 | 8 | 5 | 3 | 8 | TRUE | TRUE |
| | 36 | 61 | 62 | 4 | 12 | -13 | 8.09 | 6.87 | 1.22 | 3 | 7 | 10 | 1 | 5 | 6 | FALSE | FALSE |
| | 37 | 63 | 64 | 8 | 6 | 1 | 5 | 6.09 | -1.09 | 4 | 4 | 8 | 4 | 2 | 6 | FALSE | FALSE |
| 2Q: reasonable/ideal | 38 | 66 | 65 | 8 | 8 | -3 | 6.24 | 6.39 | -0.15 | 4 | 4 | 8 | 4 | 4 | 8 | TRUE | TRUE |
| | 39 | 68 | 67 | 8 | 11 | -5 | 7.68 | 6.07 | 1.61 | 4 | 6 | 10 | 4 | 5 | 9 | FALSE | FALSE |
| | 40 | 69 | 70 | 8 | 10 | -6 | 6.93 | 7.83 | -0.9 | 4 | 6 | 10 | 4 | 4 | 8 | FALSE | FALSE |
| 2Q: reasonable/ideal | 41 | 71 | 72 | 11 | 3 | 18 | 6.73 | 6.29 | 0.44 | 6 | 1 | 7 | 5 | 2 | 7 | FALSE | TRUE |
| 2Q: reasonable/ideal | 42 | 74 | 73 | 7 | 8 | -6 | 8.42 | 7.68 | 0.74 | 4 | 4 | 8 | 3 | 4 | 7 | FALSE | FALSE |
| | 43 | 76 | 75 | 11 | 10 | 1 | 5.1 | 8.15 | -3.05 | 6 | 5 | 11 | 5 | 5 | 10 | FALSE | FALSE |
| | 44 | 77 | 78 | 6 | 8 | 0 | 4.1 | 5.77 | -1.67 | 4 | 4 | 8 | 2 | 4 | 6 | FALSE | FALSE |
| | 45 | 80 | 79 | 11 | 8 | 11 | 5.93 | 6.97 | -1.04 | 5 | 4 | 9 | 6 | 4 | 10 | FALSE | FALSE |
| 2Q: reasonable/ideal | 46 | 81 | 82 | 6 | 9 | -7 | 9.85 | 7.63 | 2.22 | 3 | 5 | 8 | 3 | 4 | 7 | FALSE | TRUE |
| | 47 | 84 | 83 | 7 | 7 | 0 | 4.1 | 4.64 | -0.54 | 5 | 4 | 9 | 2 | 3 | 5 | FALSE | FALSE |
| | 48 | 85 | 86 | 4 | 7 | -4 | 5.36 | 4.36 | 1 | 3 | 3 | 6 | 1 | 4 | 5 | FALSE | FALSE |
| | 49 | 87 | 88 | 5 | 9 | -6 | 9.35 | 6.31 | 3.04 | 4 | 6 | 10 | 1 | 3 | 4 | FALSE | FALSE |
| | 50 | 90 | 89 | 7 | 7 | 1 | 6.39 | 6.7 | -0.31 | 6 | 4 | 10 | 1 | 3 | 4 | FALSE | FALSE |
| | 51 | 92 | 91 | 6 | 13 | -12 | 9.03 | 8.28 | 0.75 | 4 | 7 | 11 | 2 | 6 | 8 | FALSE | FALSE |
| 2Q: reasonable/ideal | 52 | 94 | 93 | 8 | 10 | -7 | 7.04 | 6.89 | 0.15 | 3 | 6 | 9 | 5 | 4 | 9 | FALSE | TRUE |
| | 53 | 96 | 95 | 6 | 9 | -5 | 5.72 | 4.92 | 0.8 | 4 | 5 | 9 | 2 | 4 | 6 | FALSE | FALSE |
| | 54 | 97 | 98 | 10 | 8 | 5 | 4.84 | 5.02 | -0.18 | 5 | 5 | 10 | 5 | 3 | 8 | FALSE | FALSE |
| 2Q: reasonable/ideal | 55 | 99 | 100 | 10 | 7 | 4 | 3.87 | 6.47 | -2.6 | 5 | 4 | 9 | 5 | 3 | 8 | FALSE | TRUE |
| # blank cells: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 |

| Kiva added | | | | | Kiva added | | | | | Kiva added | | | | | Kiva added | | | | | Kiva added | | | | | Kiva added | | | | | Kiva added: compiled from Kace's columns for P1 (FH,FI,FM,FW) and P2 (HG,HH,HL,HV) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1: IRQ4+15 | Rank (for Spearman) | P2: IRQ4+15 | Rank (for Spearman) | Agreement Correlation | P1: IRQ4&15 | Rank (for Spearman) | P2: IRQ4&15 | Rank (for Spearman) | Agreement Correlation | FI actdom | Kiva added | HH actdomb | Rank (for Spearman) | Agreement Correlation | FH actctrl | Rank (for Spearman) | BW actctrlb | P2: actual control Q | Rank (for Spearman) | Agreement Correlation | E domin1 | Rank (for Spearman) | F domin2 | Rank (for Spearman) | Agreement Correlation | P1's 4Q scores, from "domin1" scores | Rank (for Spearman) | P2's 4Q scores, from "domin1" scores | Rank (for Spearman) | Agreement Correlation |
| 5 | 45 | 10 | 7 | -0.2814 | 4 | 37 | 5 | 11 | 0.0322 | 4 | 18 | 6 | 2 | -0.2704 | 4 | 16 | 6 | 2 | -0.4530 | 13 | 42 | 22 | 4 | -0.4408 | 4 | 69 | 6 | 5 | -0.0802 |
| 7 | 28 | 9 | 13 | | 4 | 37 | 3 | 5 | | 4 | 18 | 6 | 2 | | 4 | 16 | 5 | 13 | | 15 | 28 | 20 | 10 | | 4 | 69 | 5 | 30 | |
| 6 | 37 | 5 | 42 | Spearman: | 4 | 37 | 3 | 70 | Spearman: | 4 | 18 | 6 | 2 | Spearman: | 4 | 16 | 4 | 24 | Spearman: | 14 | 35 | 15 | 28 | Spearman: | 4 | 69 | 4 | 75 | Spearman: |
| 12 | 2 | 7 | 29 | -0.2328 | 6 | 4 | 4 | 33 | 0.0478 | 4 | 18 | 5 | 8 | -0.2330 | 5 | 5 | 2 | 46 | -0.4253 | 21 | 8 | 14 | 34 | -0.4511 | 5 | 27 | 2 | 179 | -0.0747 |
| 9 | 12 | 4 | 49 | | 5 | 14 | 3 | 70 | | 6 | 4 | 4 | 20 | | 5 | 5 | 3 | 38 | | 20 | 9 | 11 | 47 | | 5 | 27 | 3 | 151 | |
| 6 | 37 | 6 | 35 | | 4 | 37 | 4 | 33 | | 4 | 18 | 5 | 8 | | 4 | 16 | 5 | 13 | | 14 | 35 | 16 | 23 | | 4 | 69 | 5 | 30 | |
| 8 | 16 | 5 | 42 | | 4 | 37 | 4 | 33 | | 4 | 18 | 4 | 20 | | 4 | 16 | 3 | 38 | | 16 | 21 | 12 | 45 | | 4 | 69 | 3 | 151 | |
| 10 | 7 | 5 | 42 | | 5 | 14 | 4 | 33 | | 4 | 18 | 4 | 20 | | 5 | 5 | 4 | 24 | | 19 | 10 | 13 | 42 | | 5 | 27 | 4 | 75 | |
| 8 | 16 | 6 | 35 | | 7 | 1 | 3 | 70 | | 5 | 10 | 2 | 48 | | 4 | 16 | 1 | 49 | | 17 | 15 | 9 | 49 | | 4 | 69 | 1 | 188 | |
| 8 | 16 | 11 | 3 | | 6 | 4 | 5 | 11 | | 4 | 18 | 5 | 8 | | 4 | 16 | 6 | 2 | | 16 | 21 | 22 | 4 | | 4 | 69 | 6 | 5 | |
| 10 | 7 | 11 | 3 | | 5 | 14 | 6 | 3 | | 4 | 18 | 4 | 20 | | 5 | 5 | 4 | 24 | | 19 | 10 | 19 | 12 | | 5 | 27 | 4 | 75 | |
| 9 | 12 | 8 | 19 | | 4 | 37 | 4 | 33 | | 4 | 18 | 4 | 20 | | 4 | 16 | 3 | 38 | | 17 | 15 | 15 | 26 | | 4 | 69 | 3 | 151 | |
| 7 | 28 | 6 | 35 | | 5 | 14 | 5 | 11 | | 6 | 4 | 4 | 20 | | 4 | 16 | 5 | 13 | | 17 | 15 | 15 | 26 | | 4 | 69 | 5 | 30 | |
| 13 | 1 | 5 | 42 | | 7 | 1 | 4 | 33 | | 7 | 1 | 4 | 20 | | 5 | 5 | 2 | 46 | | 25 | 1 | 11 | 47 | | 5 | 27 | 2 | 179 | |
| 9 | 12 | 9 | 13 | | 4 | 37 | 5 | 11 | | 5 | 10 | 4 | 20 | | 5 | 5 | 4 | 24 | | 19 | 10 | 17 | 20 | | 5 | 27 | 4 | 75 | |
| 11 | 3 | 8 | 19 | | 4 | 37 | 4 | 33 | | 7 | 1 | 3 | 45 | | 4 | 16 | 2 | 46 | | 22 | 4 | 13 | 42 | | 4 | 69 | 2 | 179 | |
| 8 | 16 | 8 | 19 | | 6 | 4 | 4 | 33 | | 5 | 10 | 4 | 20 | | 5 | 5 | 3 | 38 | | 18 | 14 | 15 | 26 | | 5 | 27 | 3 | 151 | |
| 6 | 37 | 5 | 42 | | 5 | 14 | 4 | 33 | | 3 | 44 | 5 | 8 | | 3 | 41 | 5 | 13 | | 12 | 46 | 15 | 26 | | 3 | 154 | 5 | 30 | |
| 6 | 37 | 6 | 35 | | 5 | 14 | 5 | 11 | | 4 | 18 | 4 | 20 | | 5 | 5 | 4 | 24 | | 15 | 28 | 14 | 34 | | 5 | 27 | 4 | 75 | |
| 7 | 28 | 10 | 7 | | 4 | 37 | 5 | 11 | | 4 | 18 | 4 | 20 | | 4 | 16 | 5 | 13 | | 15 | 28 | 19 | 12 | | 4 | 69 | 5 | 30 | |
| 8 | 16 | 6 | 35 | | 4 | 37 | 3 | 70 | | 4 | 18 | 4 | 20 | | 4 | 16 | 4 | 24 | | 16 | 21 | 14 | 34 | | 4 | 69 | 4 | 75 | |
| 9 | 12 | 5 | 42 | | 5 | 14 | 4 | 33 | | 4 | 18 | 4 | 20 | | 4 | 16 | 5 | 13 | | 17 | 15 | 14 | 34 | | 4 | 69 | 5 | 30 | |
| 5 | 45 | 8 | 19 | | 4 | 37 | 5 | 11 | | 3 | 44 | 4 | 20 | | 3 | 41 | 4 | 24 | | 10 | 49 | 16 | 23 | | 3 | 154 | 4 | 75 | |
| 7 | 28 | 7 | 29 | | 5 | 14 | 4 | 33 | | 5 | 10 | 6 | 2 | | 5 | 5 | 5 | 13 | | 17 | 15 | 18 | 18 | | 5 | 27 | 5 | 30 | |
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| 7 | 28 | 11 | 3 | | 3 | 71 | 6 | 3 | | 4 | 18 | 4 | 20 | | 3 | 41 | 6 | 2 | | 14 | 35 | 21 | 8 | | 3 | 154 | 6 | 5 | |
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| 8 | 16 | 8 | 19 | | 3 | 44 | 4 | 20 | | 3 | 44 | 4 | 20 | | 4 | 16 | 4 | 24 | | 15 | 28 | 16 | 23 | | 4 | 69 | 4 | 75 | |
| 7 | 6 | 7 | 35 | | 5 | 14 | 3 | 70 | | 6 | 4 | 3 | 45 | | 6 | 2 | 3 | 38 | | 22 | 4 | 12 | 45 | | 6 | 8 | 3 | 151 | |
| 4 | 49 | 12 | 2 | | 3 | 71 | 7 | 1 | | 4 | 18 | 6 | 2 | | 3 | 41 | 6 | 2 | | 11 | 48 | 24 | 2 | | 3 | 154 | 6 | 5 | |
| 8 | 16 | 6 | 35 | | 4 | 37 | 4 | 33 | | 4 | 18 | 4 | 20 | | 3 | 41 | 4 | 24 | | 15 | 28 | 14 | 34 | | 3 | 154 | 4 | 75 | |
| 8 | 16 | 8 | 19 | | 2 | 50 | 4 | 20 | | 2 | 50 | 4 | 20 | | 4 | 16 | 5 | 13 | | 14 | 35 | 17 | 20 | | 4 | 69 | 5 | 30 | |
| 8 | 16 | 11 | 3 | | 4 | 37 | 6 | 3 | | 5 | 10 | 5 | 8 | | 4 | 16 | 6 | 2 | | 17 | 15 | 22 | 4 | | 4 | 69 | 6 | 5 | |
| 8 | 16 | 10 | 7 | | 4 | 37 | 6 | 3 | | 4 | 18 | 6 | 2 | | 4 | 16 | 6 | 2 | | 16 | 21 | 22 | 4 | | 4 | 69 | 6 | 5 | |
| 11 | 3 | 3 | 50 | | 6 | 4 | 1 | 91 | | 6 | 4 | 1 | 50 | | 6 | 2 | 1 | 49 | | 23 | 3 | 5 | 50 | | 6 | 8 | 1 | 188 | |
| 7 | 28 | 8 | 19 | | 3 | 44 | 4 | 33 | | 3 | 44 | 5 | 8 | | 3 | 41 | 6 | 2 | | 13 | 42 | 19 | 12 | | 3 | 154 | 6 | 5 | |
| 11 | 3 | 10 | 7 | | 6 | 4 | 5 | 11 | | 6 | 4 | 5 | 8 | | 5 | 5 | 6 | 2 | | 22 | 4 | 21 | 8 | | 5 | 27 | 6 | 5 | |
| 6 | 37 | 8 | 19 | | 4 | 37 | 4 | 33 | | 4 | 18 | 2 | 48 | | 4 | 16 | 4 | 24 | | 14 | 35 | 14 | 34 | | 4 | 69 | 4 | 75 | |
| 11 | 3 | 8 | 19 | | 5 | 14 | 4 | 33 | | 7 | 1 | 3 | 45 | | 7 | 1 | 3 | 38 | | 25 | 1 | 14 | 34 | | 7 | 1 | 3 | 151 | |
| 6 | 37 | 9 | 13 | | 3 | 71 | 5 | 11 | | 3 | 44 | 4 | 20 | | 3 | 41 | 6 | 2 | | 12 | 46 | 19 | 12 | | 3 | 154 | 6 | 5 | |
| 7 | 28 | 7 | 29 | | 5 | 14 | 4 | 33 | | 4 | 18 | 4 | 20 | | 4 | 16 | 4 | 24 | | 15 | 28 | 15 | 26 | | 4 | 69 | 4 | 75 | |
| 4 | 49 | 7 | 29 | | 3 | 71 | 3 | 70 | | 3 | 44 | 4 | 20 | | 3 | 41 | 3 | 38 | | 10 | 49 | 14 | 34 | | 3 | 154 | 3 | 151 | |
| 5 | 45 | 9 | 13 | | 4 | 37 | 6 | 3 | | 4 | 18 | 5 | 8 | | 4 | 16 | 5 | 13 | | 13 | 42 | 19 | 12 | | 4 | 69 | 5 | 30 | |
| 7 | 28 | 7 | 29 | | 6 | 4 | 4 | 33 | | 4 | 18 | 4 | 20 | | 5 | 5 | 4 | 24 | | 16 | 21 | 15 | 26 | | 5 | 27 | 4 | 75 | |
| 6 | 37 | 13 | 1 | | 4 | 37 | 7 | 1 | | 4 | 18 | 5 | 8 | | 3 | 41 | 7 | 1 | | 13 | 42 | 25 | 1 | | 3 | 154 | 7 | 1 | |
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| 7 | 28 | 7 | 29 | | 5 | 14 | 4 | 33 | | 5 | 10 | 4 | 20 | | 4 | 16 | 4 | 24 | | 19 | 10 | 15 | 26 | | 4 | 69 | 4 | 75 | |
| | | | | | 1 | 90 | 5 | 11 | | | | | | | | | | | | | | | | | | 4 | 69 | 6 | 5 | |
| | | | | | 4 | 37 | 4 | 33 | | | | | | | | | | | | | | | | | | 4 | 69 | 6 | 5 | |
| | | | | | 2 | 80 | 2 | 87 | | | | | | | | | | | | | | | | | | 4 | 69 | 6 | 5 | |
| | | | | | 6 | 4 | 3 | 70 | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
| | | | | | 4 | 37 | 1 | 91 | | | | | | | | | | | | | | | | | | 6 | 8 | 4 | 75 | |
| | | | | | 2 | 80 | 2 | 87 | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
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| | | | | | 1 | 90 | 3 | 70 | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | 2 | 80 | 6 | 3 | | | | | | | | | | | | | | | | | | 5 | 27 | 2 | 179 | |
| | | | | | 5 | 14 | 5 | 11 | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
| | | | | | 5 | 14 | 4 | 33 | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
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| | | | | | 4 | 37 | 5 | 11 | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
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| | | | | | 1 | 90 | 5 | 11 | | | | | | | | | | | | | | | | | | 4 | 69 | 6 | 5 | |
| | | | | | 4 | 37 | 2 | 87 | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
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| | | | | | 4 | 37 | 5 | 11 | | | | | | | | | | | | | | | | | | 5 | 27 | 5 | 30 | |
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| | | | | | 3 | 71 | 4 | 33 | | | | | | | | | | | | | | | | | | 3 | 154 | 5 | 30 | |
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| | | | | | 6 | 4 | 4 | 33 | | | | | | | | | | | | | | | | | | 7 | 1 | 3 | 151 | |
| | | | | | 3 | 71 | 4 | 33 | | | | | | | | | | | | | | | | | | 3 | 154 | 4 | 75 | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 8 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 6 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 4 | 75 | |

Number of dyads (out of 50) who agreed completely (per question); Agreement = 8 — 14 — 10

Number of dyads (out of 50) who mostly or completely agreed (per question); Agreement = 7 or 9 — 18 — 11

**Number of dyads (out of 50) who mostly or completely agreed (per question); Agreement = 7-9 — 32 — 21**

**Number of dyads (out of 50) who disagreed (per question); Agreement <7 or >9 — 18 — 29**

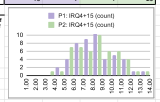
^^ These are each out of 50 ^^

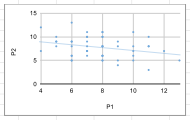
^^ Number of dyads (out of 50) who completely agreed on both questions

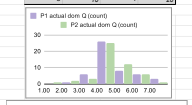
^^ Number of dyads (out of 50) who mostly or completely agreed on both questions

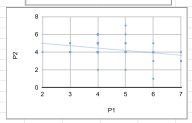
Number of dyads (out of 50) who completely agreed (agreement = 8) on both questions: **4**

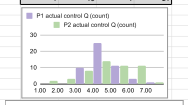
Number of dyads (out of 50) who mostly or completely agreed (agreement <7 or >9) on both questions: 14

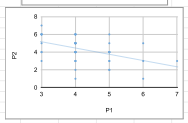


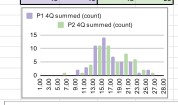



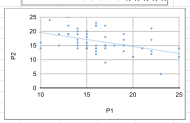



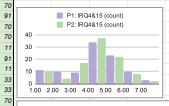



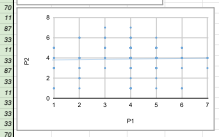



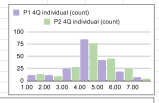



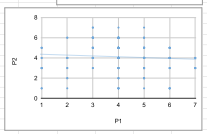



| Kace column >> | C | A | B | Kiva added | Kiva added | G | Q | CM | FB | FM | HL | Kiva added | FW | HV | Kiva added | Kiva added | Kiva added |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | | | domindf | i1 | i2 | idif | irq4 | irq4b | | irq15 | irq15b | | | |
| Kiva label >> | Dyad # | Participant 1 (P1) | Participant 2 (P2) | Kace's dominance score for P1 | Kace's dominance score for P2 | Discrepancy in dominance scores (P1 minus P2) | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | Discrepancy in FPS pronoun rates (P1 minus P2) | P1's IRQ4 response | P2's IRQ4 response | Agreement (8 = perfect agreement) | P1's IRQ15 response | P2's IRQ15 response | Agreement (8 = perfect agreement) | Completely agreed (8) on both | Completely or mostly agreed (7-8) on both |
| Notes | | | | | | | | | | | | | | | | | |

| Kiva added | | | | | Kiva added | | | | | FI | Kiva added | HH | Kiva added | | FH | Kiva added | BW | Kiva added | | E | Kiva added | F | Kiva added | | Kiva added: compiled from Kace's columns for P1 (FH,FI,FM,FW) and P2 (HG,HH,HL,HV) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1: IRQ4+15 | Rank (for Spearman) | P2: IRQ4+15 | Rank (for Spearman) | Agreement Correlation | P1: IRQ4&15 | Rank (for Spearman) | P2: IRQ4&15 | Rank (for Spearman) | Agreement Correlation | P1: actual dom Q | Rank (for Spearman) | P2: actual dom Q | Rank (for Spearman) | Agreement Correlation | P1: actual control Q | Rank (for Spearman) | P2: actual control Q | Rank (for Spearman) | Agreement Correlation | P1's 4Q scores, not used for paper | Rank (for Spearman) | P12s 4Q score, not used for paper | Rank (for Spearman) | Agreement Correlation | P1's 4Q scores, from "domrel1" scores | Rank (for Spearman) | P2's 4Q scores, from "domrel1" scores | Rank (for Spearman) | Agreement Correlation |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 8 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 154 | 6 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 154 | 7 | 1 | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 6 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 6 | 5 | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 154 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 154 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 6 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 8 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 7 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 154 | 6 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 4 | 75 | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 2 | 179 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 8 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 1 | 188 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 2 | 179 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 1 | 188 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 1 | 188 | |
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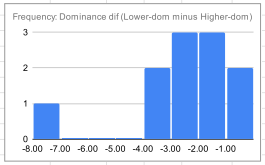
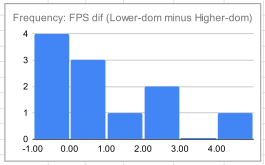
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 1 | 188 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 8 | 1 | 188 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 1 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 1 | 188 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 1 | 188 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 154 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 1 | 188 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 1 | 188 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 2 | 179 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 69 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 2 | 179 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 154 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 8 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 154 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 190 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 6 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 179 | 4 | 75 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 3 | 151 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 27 | 3 | 151 | |

| Kace column >> | C | A | B | E | F | Kiva added | | | | Q | CM | Kiva added | | | | FM | HL | Kiva added | FW | HV | Kiva added | Kiva added | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | domin1 | domin2 | | | | | i1 | i2 | | | | | irq4 | irq4b | | irq15 | irq15b | | | |
| Kiva label >> / Notes | Dyad # | Participant 1 (P1) | Participant 2 (P2) | Kace's dominance score for P1 | Kace's dominance score for P2 | H dom | L dom | **Dom dif: L minus H** | ***RANK for Spearman*** | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | H's FPS rate | L's FPS rate | **FPS diff: L minus H** | ***RANK for Spearman*** | P1's IRQ4 response | P2's IRQ4 response | Agreement (8 = perfect agreement) | P1's IRQ15 response | P2's IRQ15 response | Agreement (8 = perfect agreement) | Completely agreed (8) on both | Completely or mostly agreed (7-9) on both |
| | 2 | 3 | 4 | 7 | 9 | 9 | 7 | **-2** | ***4*** | 9.51 | 7.73 | 7.73 | 9.51 | **1.78** | ***4*** | 3 | 5 | **8** | 4 | 4 | **8** | TRUE | TRUE |
| | 12 | 23 | 24 | 9 | 8 | 9 | 8 | **-1** | ***1.5*** | 7.31 | 7.75 | 7.31 | 7.75 | **0.44** | ***6*** | 4 | 4 | **8** | 5 | 4 | 9 | FALSE | TRUE |
| | 20 | 40 | 39 | 7 | 10 | 10 | 7 | **-3** | ***7*** | 11.06 | 6.38 | 6.38 | 11.06 | **4.68** | ***1*** | 4 | 5 | 9 | 3 | 5 | **8** | FALSE | TRUE |
| | 21 | 42 | 41 | 8 | 6 | 8 | 6 | **-2** | ***4*** | 9.64 | 9.47 | 9.64 | 9.47 | **-0.17** | ***9*** | 4 | 3 | 7 | 4 | 3 | 7 | FALSE | TRUE |
| | 32 | 53 | 54 | 7 | 11 | 11 | 7 | **-4** | ***9.5*** | 7.38 | 7.72 | 7.72 | 7.38 | **-0.34** | ***10*** | 3 | 6 | 9 | 4 | 5 | 9 | FALSE | TRUE |
| | 35 | 59 | 60 | 10 | 6 | 10 | 6 | **-4** | ***9.5*** | 7.61 | 7.49 | 7.61 | 7.49 | **-0.12** | ***8*** | 5 | 3 | **8** | 5 | 3 | **8** | TRUE | TRUE |
| | 41 | 71 | 72 | 11 | 3 | 11 | 3 | **-8** | ***11*** | 6.73 | 6.29 | 6.73 | 6.29 | **-0.44** | ***11*** | 6 | 1 | 7 | 5 | 2 | 7 | FALSE | TRUE |
| | 42 | 74 | 73 | 7 | 8 | 8 | 7 | **-1** | ***1.5*** | 8.42 | 7.68 | 7.68 | 8.42 | **0.74** | ***5*** | 4 | 4 | **8** | 3 | 4 | 7 | FALSE | TRUE |
| | 46 | 81 | 82 | 6 | 9 | 9 | 6 | **-3** | ***7*** | 9.85 | 7.63 | 7.63 | 9.85 | **2.22** | ***3*** | 3 | 5 | **8** | 3 | 4 | 7 | FALSE | TRUE |
| | 52 | 94 | 93 | 8 | 10 | 10 | 8 | **-2** | ***4*** | 7.04 | 6.89 | 6.89 | 7.04 | **0.15** | ***7*** | 3 | 6 | 9 | 5 | 4 | 9 | FALSE | TRUE |
| | 55 | 99 | 100 | 10 | 7 | 10 | 7 | **-3** | ***7*** | 3.87 | 6.47 | 3.87 | 6.47 | **2.6** | ***2*** | 5 | 4 | 9 | 5 | 3 | **8** | FALSE | TRUE |
| | | | | | **min** | 8 | 3 | | | | **min** | 3.87 | 6.29 | | | | | | | | | **2** | **11** |
| Removed dyads whose 2Q scores were identical: | | | | | **max** | 11 | 8 | | | | **max** | 9.64 | 11.06 | | | | | | | | | | |
| 15, 34, 38 | | | | | | | | | | | | | | | | | | | | | | | |

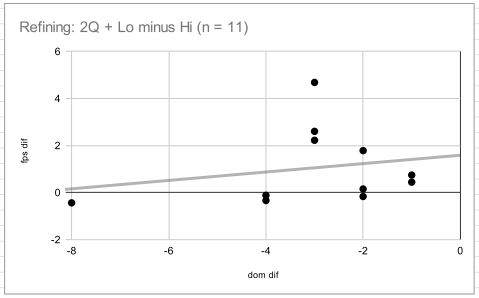



| | |
|---|---|
| **Mean** | **-3.00** |
| **SD** | **1.95** |




| | |
|---|---|
| **Mean** | **1.05** |
| **SD** | **1.61** |

| | |
|---|---|
| Correlation, Pearson | 0.22 |
| **Correlation, Spearman** | **0.32** |
| ***t*** | **1.61** |
| ***p*** | **0.14** |
| **Effect size (Cohen's *d*)** | **0.678** |

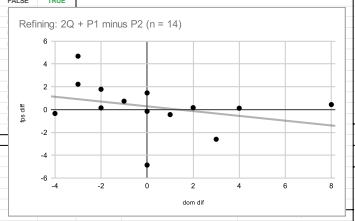


| Kace column >> | C | A | B | E | F | G | *Kiva added* | Q | CM | FB | *Kiva added* | FM | HL | *Kiva added* | FW | HV | *Kiva added* | *Kiva added* | *Kiva added* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | domin1 | domin2 | **domindf** | | i1 | i2 | **iddf** | | irq4 | irq4b | | irq15 | irq15b | | | |
| Kiva label >> | Dyad # | Participant 1 (P1) | Participant 2 (P2) | Kace's dominance score for P1 | Kace's dominance score for P2 | **Discrepancy in dominance scores (P1 minus P2)** | *Rank, for Spearman* | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | **Discrepancy in FPS pronoun rates (P1 minus P2)** | *Rank, for Spearman* | P1's IRQ4 response | P2's IRQ4 response | Agreement (8 = perfect agreement) | P1's IRQ15 response | P2's IRQ15 response | Agreement (8 = perfect agreement) | Completely agreed (8) on both | Completely or mostly agreed (7-8) on both |
| Notes | | | | | | | | | | | | | | | | | | TRUE | TRUE |
| | | | | | | | | | | | | | | | | | | FALSE | TRUE |
| | 2 | 3 | 4 | 7 | 9 | **-2** | *10.5* | 9.51 | 7.73 | **1.78** | *9* | 3 | 5 | 8 | 4 | 4 | 8 | | |
| | 12 | 23 | 24 | 9 | 8 | **1** | *5* | 7.31 | 7.75 | **-0.44** | *12* | 4 | 4 | 8 | 5 | 4 | 9 | | |
| | 15 | 30 | 29 | 9 | 9 | **0** | *7* | 7.67 | 12.53 | **-4.86** | *14* | 4 | 5 | 9 | 5 | 4 | 9 | | |
| | 20 | 40 | 39 | 7 | 10 | **-3** | *12.5* | 11.06 | 6.38 | **4.68** | *1* | 4 | 5 | 9 | 3 | 5 | 8 | | |
| | 21 | 42 | 41 | 8 | 6 | **2** | *4* | 9.64 | 9.47 | **0.17** | *7* | 4 | 3 | 7 | 4 | 3 | 7 | | |
| | 32 | 53 | 54 | 7 | 11 | **-4** | *14* | 7.38 | 7.72 | **-0.34** | *11* | 3 | 6 | 9 | 4 | 5 | 9 | | |
| | 34 | 58 | 57 | 8 | 8 | **0** | *7* | 8.1 | 6.64 | **1.46** | *4* | 4 | 4 | 8 | 4 | 4 | 8 | | |
| | 35 | 59 | 60 | 10 | 6 | **4** | *2* | 7.61 | 7.49 | **0.12** | *9* | 5 | 3 | 8 | 5 | 3 | 8 | | |
| | 38 | 66 | 65 | 8 | 8 | **0** | *7* | 6.24 | 6.39 | **-0.15** | *10* | 4 | 4 | 8 | 4 | 4 | 8 | | |
| | 41 | 71 | 72 | 11 | 3 | **8** | *1* | 6.73 | 6.29 | **0.44** | *6* | 6 | 1 | 7 | 5 | 2 | 7 | | |
| | 42 | 74 | 73 | 7 | 8 | **-1** | *9* | 8.42 | 7.68 | **0.74** | *5* | 4 | 4 | 8 | 3 | 4 | 7 | | |
| | 46 | 81 | 82 | 6 | 9 | **-3** | *12.5* | 9.85 | 7.63 | **2.22** | *2* | 3 | 5 | 8 | 3 | 4 | 7 | | |
| | 52 | 94 | 93 | 8 | 10 | **-2** | *10.5* | 7.04 | 6.89 | **0.15** | *8* | 3 | 6 | 9 | 5 | 4 | 9 | | |
| | 55 | 99 | 100 | 10 | 7 | **3** | *3* | 3.87 | 6.47 | **-2.6** | *13* | 5 | 4 | 9 | 5 | 3 | 8 | | |
| | | | | | **mean:** | **0.2143** | | | **mean:** | **0.2407** | | | | | | | | | |
| | | | | | | **Pooled SD** | | **2.767914** | | | | | | | | | | | |

(used this calculator for pooled SD)

*Kiva added*

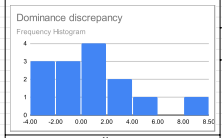
Quick look at the data



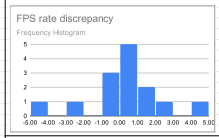

| | | |
|---|---|---|
| Max | 8 | 4.68 |
| Range | 12 | 9.54 |
| Mean | 0.2142857143 | 0.2407142857 |
| Median | 0.00 | 0.16 |

*Kiva added*

Checking for normality
(to determine Pearson's vs Spearman's correlation)




Mean:
0.2142857143
SD:
3.238674264




Mean:
0.2407142857
SD:
2.198564092

*Kiva added*

| Correlation | | Notes |
|---|---|---|
| Pearson | -0.309 | Since the data are not normally distributed, Pearson should not be used |
| *t* | -1.124 | |
| *p* | 0.283 | |
| **Spearman** | **-0.392** | Since the data are not normally distributed, Spearman should be used |
| *t* | -1.474 | |
| ***p*** | **0.166** | |

The correlation is not statistically significant at n=14

**Cohen's *d*** **-0.851**

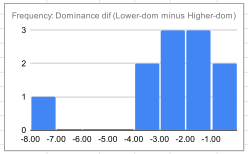
*Kiva added*

Regression info

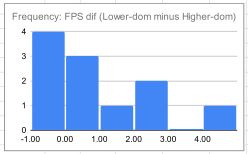
| | | | |
|---|---|---|---|
| Slope (gradient) of the line | -0.2094656888 | 0.2855997905 | Standard error for the y estimate |
| y-intercept | 0.1864039708 | 0.5831112565 | F statistic |
| Standard error value for the slope value | 0.09520989096 | 2.176677589 | Number of degrees of freedom |
| Standard error value for the y-intercept | 1.262744454 | 12 | Regression sum of squares |
| Coefficient of determination | 5.982788928 | 56.85510393 | Residual sum of squares |

**Interpretation (even though the correlation is not statistically significant):**
**If there's no status difference, they will naturally have an FPS difference of 0.19 percentage points**
**If the status difference increases by 1 point, the FPS difference will decrease by 0.21 percentage points**
***This doesn't cover the direction of the differences though***

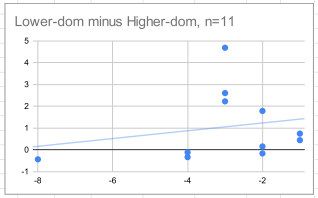
| Kace column >> | C | A | B | E | F | Kiva added | | | | Q | CM | Kiva added | | | | FM | HL | Kiva added | FW | HV | Kiva added | Kiva added | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | domin1 | domin2 | | | | | i1 | i2 | | | | | irq4 | irq4b | | irq15 | irq15b | | | |
| Kiva label >> / Notes | Dyad # | Participant 1 (P1) | Participant 2 (P2) | Kace's dominance score for P1 | Kace's dominance score for P2 | H dom | L dom | **Dom dif: L minus H** | ***RANK for Spearman*** | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | H's FPS rate | L's FPS rate | **FPS diff: L minus H** | ***RANK for Spearman*** | P1's IRQ4 response | P2's IRQ4 response | Agreement (8 = perfect agreement) | P1's IRQ15 response | P2's IRQ15 response | Agreement (8 = perfect agreement) | Completely agreed (8) on both | Completely or mostly agreed (7-9) on both |
| | 2 | 3 | 4 | 7 | 9 | 9 | 7 | **-2** | ***4*** | 9.51 | 7.73 | 7.73 | 9.51 | **1.78** | ***4*** | 3 | 5 | **8** | 4 | 4 | **8** | TRUE | TRUE |
| | 12 | 23 | 24 | 9 | 8 | 9 | 8 | **-1** | ***1.5*** | 7.31 | 7.75 | 7.31 | 7.75 | **0.44** | ***6*** | 4 | 4 | **8** | 5 | 4 | 9 | FALSE | TRUE |
| | 20 | 40 | 39 | 7 | 10 | 10 | 7 | **-3** | ***7*** | 11.06 | 6.38 | 6.38 | 11.06 | **4.68** | ***1*** | 4 | 5 | 9 | 3 | 5 | **8** | FALSE | TRUE |
| | 21 | 42 | 41 | 8 | 6 | 8 | 6 | **-2** | ***4*** | 9.64 | 9.47 | 9.64 | 9.47 | **-0.17** | ***9*** | 4 | 3 | 7 | 4 | 3 | 7 | FALSE | TRUE |
| | 32 | 53 | 54 | 7 | 11 | 11 | 7 | **-4** | ***9.5*** | 7.38 | 7.72 | 7.72 | 7.38 | **-0.34** | ***10*** | 3 | 6 | 9 | 4 | 5 | 9 | FALSE | TRUE |
| | 35 | 59 | 60 | 10 | 6 | 10 | 6 | **-4** | ***9.5*** | 7.61 | 7.49 | 7.61 | 7.49 | **-0.12** | ***8*** | 5 | 3 | **8** | 5 | 3 | **8** | TRUE | TRUE |
| | 41 | 71 | 72 | 11 | 3 | 11 | 3 | **-8** | ***11*** | 6.73 | 6.29 | 6.73 | 6.29 | **-0.44** | ***11*** | 6 | 1 | 7 | 5 | 2 | 7 | FALSE | TRUE |
| | 42 | 74 | 73 | 7 | 8 | 8 | 7 | **-1** | ***1.5*** | 8.42 | 7.68 | 7.68 | 8.42 | **0.74** | ***5*** | 4 | 4 | **8** | 3 | 4 | 7 | FALSE | TRUE |
| | 46 | 81 | 82 | 6 | 9 | 9 | 6 | **-3** | ***7*** | 9.85 | 7.63 | 7.63 | 9.85 | **2.22** | ***3*** | 3 | 5 | **8** | 3 | 4 | 7 | FALSE | TRUE |
| | 52 | 94 | 93 | 8 | 10 | 10 | 8 | **-2** | ***4*** | 7.04 | 6.89 | 6.89 | 7.04 | **0.15** | ***7*** | 3 | 6 | 9 | 5 | 4 | 9 | FALSE | TRUE |
| | 55 | 99 | 100 | 10 | 7 | 10 | 7 | **-3** | ***7*** | 3.87 | 6.47 | 3.87 | 6.47 | **2.6** | ***2*** | 5 | 4 | 9 | 5 | 3 | **8** | FALSE | TRUE |
| | | | | | **min** | 8 | 3 | | | | **min** | 3.87 | 6.29 | | | | | | | | | **2** | **11** |
| Removed dyads whose 2Q scores were identical: | | | | | **max** | 11 | 8 | | | | **max** | 9.64 | 11.06 | | | | | | | | | | |
| 15, 34, 38 | | | | | | | | | | | | | | | | | | | | | | | |




| | |
|---|---|
| **Mean** | **-3.00** |
| **SD** | **1.95** |




| | |
|---|---|
| **Mean** | **1.05** |
| **SD** | **1.61** |




| | |
|---|---|
| **Correlation, Pearson** | **0.22** |
| **Correlation, Spearman** | **0.32** |
| ***t*** | **0.67** |
| ***p*** | **0.52** |

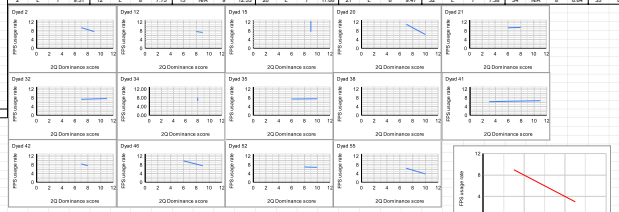
*Kiva added*

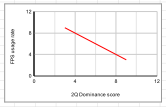
| Some statistics | | Notes |
|---|---|---|
| Correlation, n=11 | 0.328 | Using Spearman, since neither of the variables are normally distributed |
| Statistical significance of the correlation | *t* = 1.203 | The correlation is not statistically significant ($p$ = 0.181) with the sample size reduced to n = 11. Recall that this reduction excluded those dyads who did not meet the independent variable being studied |
| | *p* = 0.252 | |
| Effect size | $r^2$ = 0.108 | This is a good way to show the effect size when relating variables (rather than comparing groups). Even if the effect had been statistically significant, an $r^2$ of 0.14 is considered a moderate effect (rho and r are interchangable here) |

| Kace column >> | C | A | B | E | F | Kiva added | Kiva added | Q | CM | Kiva added | Kiva added | Kiva added | FM | HL | Kiva added | FW | HV | Kiva added | Kiva added |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | domin1 | domin2 | | | l1 | l2 | | | | inq4 | inq4b | | inq15 | inq15b | | |
| Kiva label >> | Dyad # | Participant 1 (P1) | Participant 2 (P2) | Kace's dominance score for P1 | Kace's dominance score for P2 | H dom | L dom | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | P1 minus P2 | Intly Orth rate | Lx Intly rate | P1's IRQ4 response | P2's IRQ4 response | Agreement (8 = perfec agreement) | P1's IRQ15 response | P2's IRQ15 response | Agreement (8 = perfec agreement) | Completely agreed (8) on both | Completely or mostly agreed (7-8) on both |
| | 2 | 3 | 4 | 7 | 9 | 9 | 7 | 9.51 | 7.73 | 1.78 | 7.73 | 9.51 | 3 | 5 | 6 | 4 | 4 | 8 | TRUE | TRUE |
| | 12 | 23 | 24 | 9 | 8 | 9 | 8 | 7.31 | 7.75 | -0.44 | 7.31 | 7.75 | 4 | 4 | 8 | 5 | 4 | 9 | FALSE | TRUE |
| | 15 | 30 | 29 | 9 | 9 | 9 | 9 | 7.67 | 12.53 | -4.86 | 7.67 | 12.53 | 4 | 5 | 9 | 5 | 4 | 9 | FALSE | TRUE |
| | 20 | 40 | 39 | 7 | 10 | 10 | 7 | 11.06 | 6.38 | 4.68 | 6.38 | 11.06 | 4 | 5 | 9 | 3 | 5 | 8 | FALSE | TRUE |
| | 21 | 42 | 41 | 8 | 6 | 8 | 6 | 9.64 | 9.47 | 0.17 | 9.64 | 9.47 | 4 | 3 | 7 | 4 | 3 | 7 | FALSE | TRUE |
| | 32 | 53 | 54 | 7 | 11 | 11 | 7 | 7.38 | 7.72 | -0.34 | 7.72 | 7.38 | 3 | 6 | 9 | 4 | 5 | 9 | FALSE | TRUE |
| | 34 | 58 | 57 | 8 | 8 | 8 | 8 | 8.10 | 6.64 | 1.46 | 8.10 | 6.64 | 4 | 4 | 8 | 4 | 4 | 8 | TRUE | TRUE |
| | 35 | 59 | 60 | 10 | 6 | 10 | 6 | 7.61 | 7.49 | 0.12 | 7.61 | 7.49 | 5 | 3 | 8 | 5 | 3 | 8 | TRUE | TRUE |
| | 38 | 66 | 65 | 8 | 8 | 8 | 8 | 6.24 | 6.39 | -0.15 | 6.24 | 6.39 | 4 | 4 | 8 | 4 | 4 | 8 | TRUE | TRUE |
| | 41 | 71 | 72 | 11 | 3 | 11 | 3 | 6.73 | 6.29 | 0.44 | 6.73 | 6.29 | 6 | 1 | 7 | 5 | 2 | 7 | FALSE | TRUE |
| | 42 | 74 | 73 | 7 | 8 | 8 | 7 | 8.42 | 7.68 | 0.74 | 7.68 | 8.42 | 4 | 4 | 8 | 3 | 4 | 7 | FALSE | TRUE |
| | 46 | 81 | 82 | 6 | 9 | 9 | 6 | 9.85 | 7.63 | 2.22 | 7.63 | 9.85 | 3 | 5 | 8 | 3 | 4 | 7 | FALSE | TRUE |
| | 52 | 94 | 93 | 8 | 10 | 10 | 8 | 7.04 | 6.89 | 0.15 | 6.89 | 7.04 | 3 | 6 | 9 | 5 | 4 | 9 | FALSE | TRUE |
| | 55 | 99 | 100 | 10 | 7 | 10 | 7 | 3.87 | 6.47 | -2.6 | 3.87 | 6.47 | 5 | 4 | 9 | 5 | 3 | 8 | FALSE | TRUE |
| | | | | | min | 6 | 3 | | min | | 3.87 | 6.29 | | | | | | | 4 | 14 |
| | | | | | max | 11 | 9 | | max | | 9.64 | 12.53 | | | | | | | | |

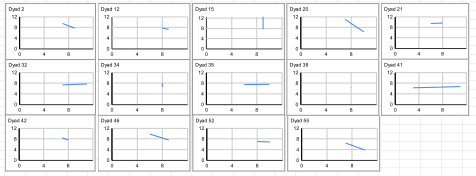
| Dyad | Status role | 2Q dom | FPS rate | Kiva added |
|---|---|---|---|---|
| 2 | H | 9 | 7.73 | |
| 2 | L | 7 | 9.51 | |
| 12 | H | 9 | 7.31 | |
| 12 | L | 8 | 7.75 | |
| 15 | N/A | 9 | 7.67 | |
| 15 | N/A | 9 | 12.53 | |
| 20 | H | 10 | 6.38 | |
| 20 | L | 7 | 11.06 | |
| 21 | H | 8 | 9.64 | |
| 21 | L | 6 | 9.47 | |
| 32 | H | 11 | 7.72 | |
| 32 | L | 7 | 7.38 | |
| 34 | N/A | 8 | 8.10 | |
| 34 | N/A | 8 | 6.64 | |
| 35 | H | 10 | 7.61 | |
| 35 | L | 6 | 7.49 | |
| 38 | N/A | 8 | 6.24 | |
| 38 | N/A | 8 | 6.39 | |
| 41 | H | 11 | 6.73 | |
| 41 | L | 3 | 6.29 | |
| 42 | H | 8 | 7.68 | |
| 42 | L | 7 | 8.42 | |
| 46 | H | 9 | 7.63 | |
| 46 | L | 6 | 9.85 | |
| 52 | H | 10 | 6.89 | |
| 52 | L | 8 | 7.04 | |
| 55 | H | 10 | 3.87 | |
| 55 | L | 7 | 6.47 | |

| Kiva added - HYPOTHETICAL | | | |
|---|---|---|---|
| Dyad | Status role | 2Q dom | FPS rate |
| X | H | 9 | 3 |
| X | L | 3 | 9 |

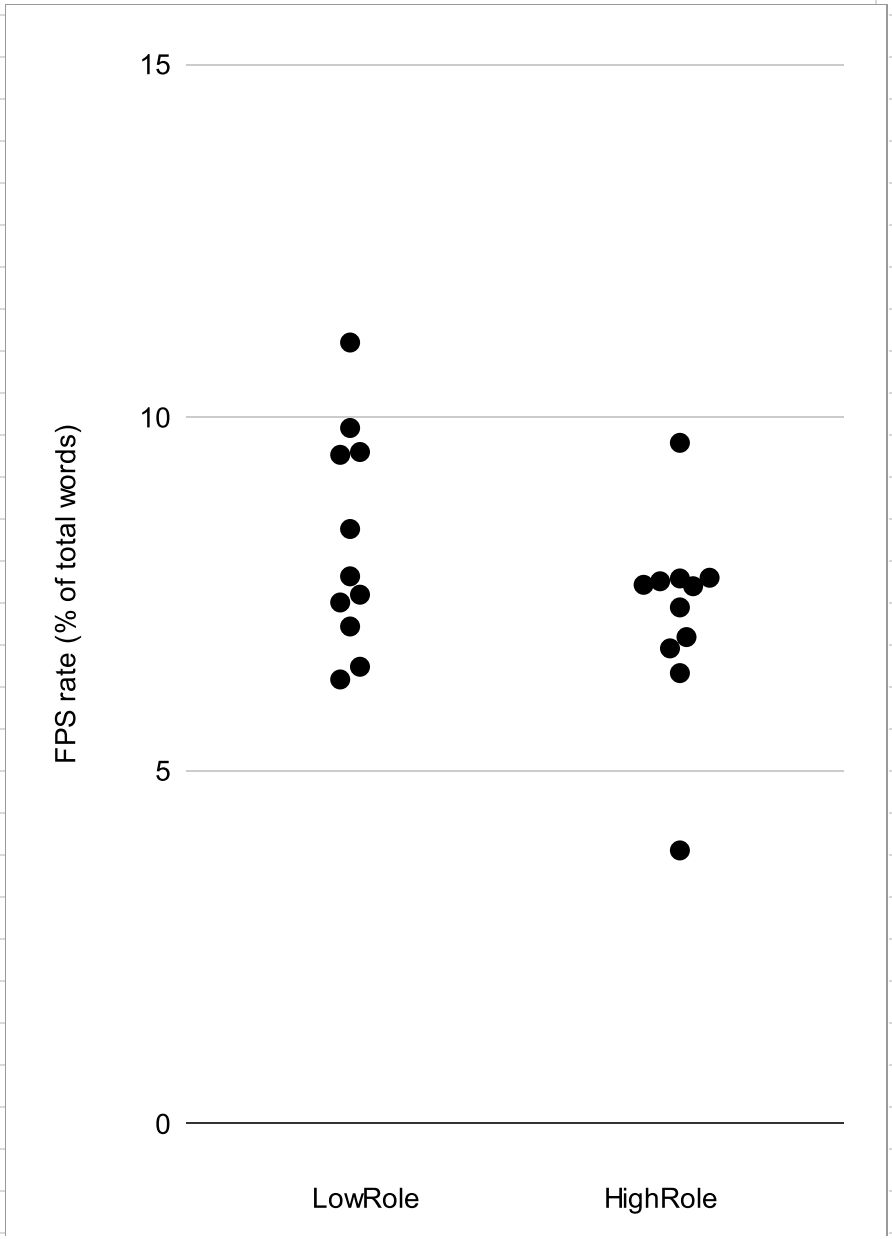


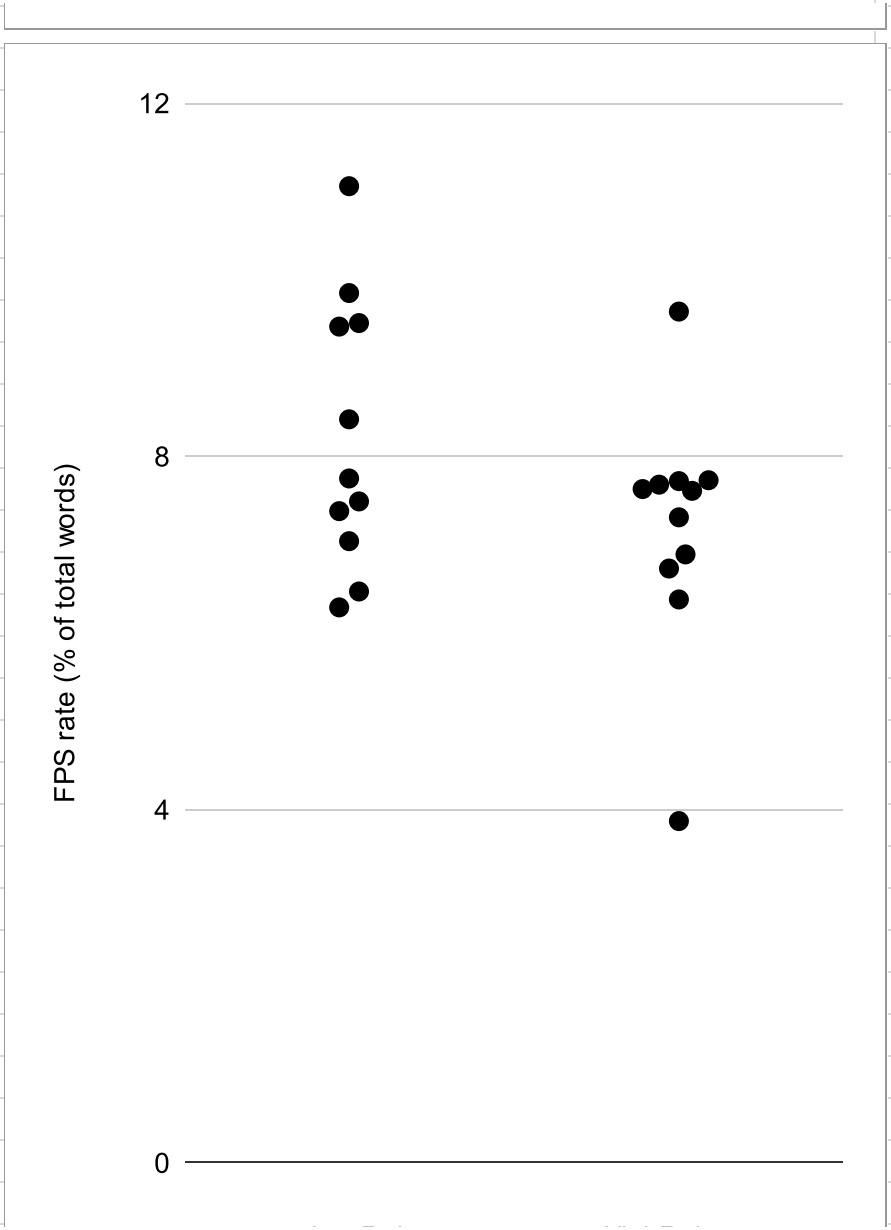

**Shape of a HYPOTHETICAL dyad who fit the prediction**



| Dyad | Participant | role | FPS rate | FPS x-axis |
|---|---|---|---|---|
| 2 | 3 | Hi | 7.73 | 2.09 |
| | 4 | Lo | 9.51 | 1.03 |
| 12 | 23 | Hi | 7.31 | 2 |
| | 24 | Lo | 7.75 | 1 |
| 20 | 40 | Hi | 6.38 | 2 |
| | 39 | Lo | 11.06 | 1 |
| 21 | 42 | Hi | 9.64 | 2 |
| | 41 | Lo | 9.47 | 0.97 |
| 32 | 53 | Hi | 7.72 | 2 |
| | 54 | Lo | 7.38 | 0.97 |
| 35 | 59 | Hi | 7.61 | 2.04 |
| | 60 | Lo | 7.49 | 1.03 |
| 41 | 71 | Hi | 6.73 | 1.97 |
| | 72 | Lo | 6.29 | 0.97 |
| 42 | 74 | Hi | 7.68 | 1.94 |
| | 73 | Lo | 8.42 | 1 |
| 46 | 81 | Hi | 7.63 | 1.89 |
| | 82 | Lo | 9.85 | 1 |
| 52 | 94 | Hi | 6.89 | 2.02 |
| | 93 | Lo | 7.04 | 1 |
| 55 | 99 | Hi | 3.87 | 2 |
| | 100 | Lo | 6.47 | 1.03 |
| | | | 3.87 | |
| | | | 11.06 | |



| Dyad | Participant | role | FPS rate | FPS x-axis |
|---|---|---|---|---|



| Dyad | Participant | role | FPS rate | FPS x-axis | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | LowRole | HighRole |
| | | | | | | | |

| Kace column >> | C | A | B | E | F | Kiva added | Kiva added | Q | CM | Kiva added | Kiva added | Kiva added | Kiva added | FM | HL | Kiva added | FW | HV | Kiva added | Kiva added | Kiva added |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | domin1 | domin2 | | | i1 | i2 | | | | | irq4 | irq4b | | irq15 | irq15b | | | |
| Kiva label >> / Notes | Dyad # | Participant 1 (P1) | Participant 2 (P2) | Kace's dominance score for P1 | Kace's dominance score for P2 | H dom | L dom | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | H's FPS rate | L's FPS rate | FPS diff Lo-Hi | Did H use fewer FPS? | P1's IRQ4 response | P2's IRQ4 response | Agreement (8 = perfect agreement) | P1's IRQ15 response | P2's IRQ15 response | Agreement (8 = perfect agreement) | Completely agreed (8) on both | Completely or mostly agreed (7-9) on both |
| | 2 | 3 | 4 | 7 | 9 | 9 | 7 | 9.51 | 7.73 | 7.73 | 9.51 | 1.78 | TRUE | 3 | 5 | **8** | 4 | 4 | **8** | TRUE | TRUE |
| | 12 | 23 | 24 | 9 | 8 | 9 | 8 | 7.31 | 7.75 | 7.31 | 7.75 | 0.44 | TRUE | 4 | 4 | **8** | 5 | 4 | 9 | FALSE | TRUE |
| | 15 | 30 | 29 | 9 | 9 | * | * | * | * | * | * | * | * | 4 | 5 | 9 | 5 | 4 | 9 | FALSE | TRUE |
| | 20 | 40 | 39 | 7 | 10 | 10 | 7 | 11.06 | 6.38 | 6.38 | 11.06 | 4.68 | TRUE | 4 | 5 | 9 | 3 | 5 | **8** | FALSE | TRUE |
| | 21 | 42 | 41 | 8 | 6 | 8 | 6 | 9.64 | 9.47 | 9.64 | 9.47 | -0.17 | FALSE | 4 | 3 | 7 | 4 | 3 | 7 | FALSE | TRUE |
| | 32 | 53 | 54 | 7 | 11 | 11 | 7 | 7.38 | 7.72 | 7.72 | 7.38 | -0.34 | FALSE | 3 | 6 | 9 | 4 | 5 | 9 | FALSE | TRUE |
| | 34 | 58 | 57 | 8 | 8 | * | * | * | * | * | * | * | * | 4 | 4 | **8** | 4 | 4 | **8** | TRUE | TRUE |
| | 35 | 59 | 60 | 10 | 6 | 10 | 6 | 7.61 | 7.49 | 7.61 | 7.49 | -0.12 | FALSE | 5 | 3 | **8** | 5 | 3 | **8** | TRUE | TRUE |
| | 38 | 66 | 65 | 8 | 8 | * | * | * | * | * | * | * | * | 4 | 4 | **8** | 4 | 4 | **8** | TRUE | TRUE |
| | 41 | 71 | 72 | 11 | 3 | 11 | 3 | 6.73 | 6.29 | 6.73 | 6.29 | -0.44 | FALSE | 6 | 1 | 7 | 5 | 2 | 7 | FALSE | TRUE |
| | 42 | 74 | 73 | 7 | 8 | 8 | 7 | 8.42 | 7.68 | 7.68 | 8.42 | 0.74 | TRUE | 4 | 4 | **8** | 3 | 4 | 7 | FALSE | TRUE |
| | 46 | 81 | 82 | 6 | 9 | 9 | 6 | 9.85 | 7.63 | 7.63 | 9.85 | 2.22 | TRUE | 3 | 5 | **8** | 3 | 4 | 7 | FALSE | TRUE |
| | 52 | 94 | 93 | 8 | 10 | 10 | 8 | 7.04 | 6.89 | 6.89 | 7.04 | 0.15 | TRUE | 3 | 6 | 9 | 5 | 4 | 9 | FALSE | TRUE |
| | 55 | 99 | 100 | 10 | 7 | 10 | 7 | 3.87 | 6.47 | 3.87 | 6.47 | 2.6 | TRUE | 5 | 4 | 9 | 5 | 3 | **8** | FALSE | TRUE |
| | | | | | | | | | | V | V | V | ^^ | | | | | | | **4** | **14** |

| | H's FPS rate | L's FPS rate | FPS diff Lo-Hi |
|---|---|---|---|
| mean | 7.20 | 8.25 | 1.05 |
| median | 7.61 | 7.75 | 0.44 |
| range | 5.77 | 4.77 | 5.12 |
| min | 3.87 | 6.29 | -0.44 |
| max | 9.64 | 11.06 | 4.68 |
| sd | 1.38 | 1.54 | 1.61 |

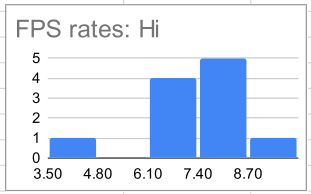
**0.636** = Percentage of dyads that follow the trend (i.e. H used fewer FPS)

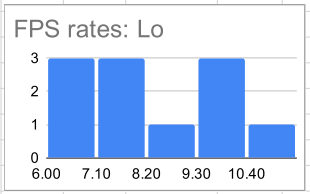
**0.364** = Percentage of dyads where the trend was reversed (i.e. L used fewer FPS)

**So ~2/3 of the Hs used fewer FPS,**
**and 1/3 of the Hs used more FPS**

*Participants had equal aggregated relative status (tho some Qs were distinct)

As such, there is no H/L distinction at the 2Q level

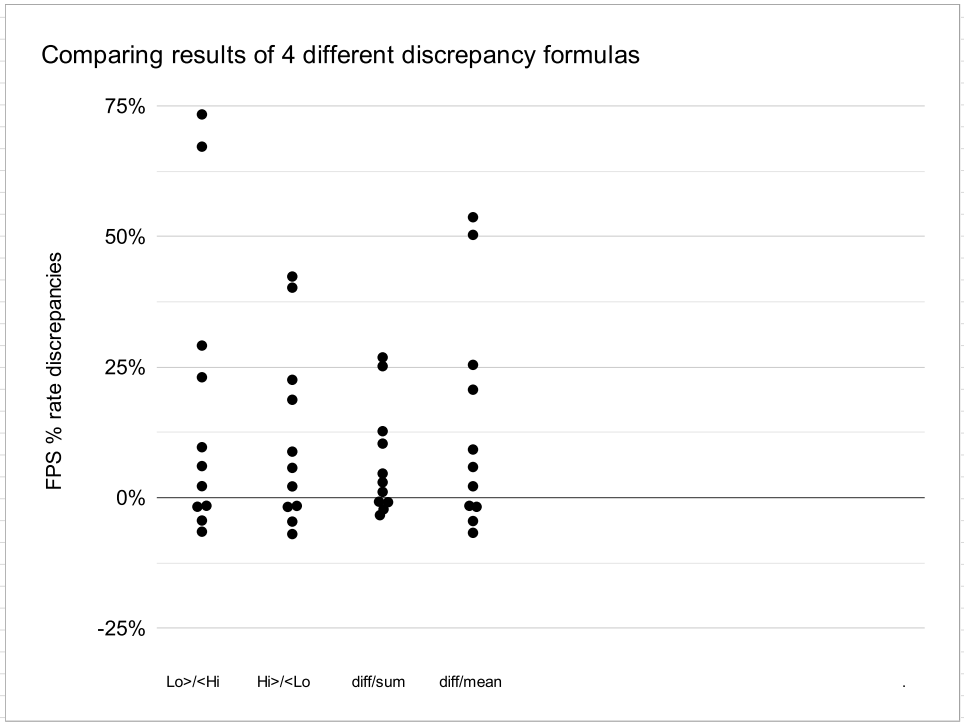


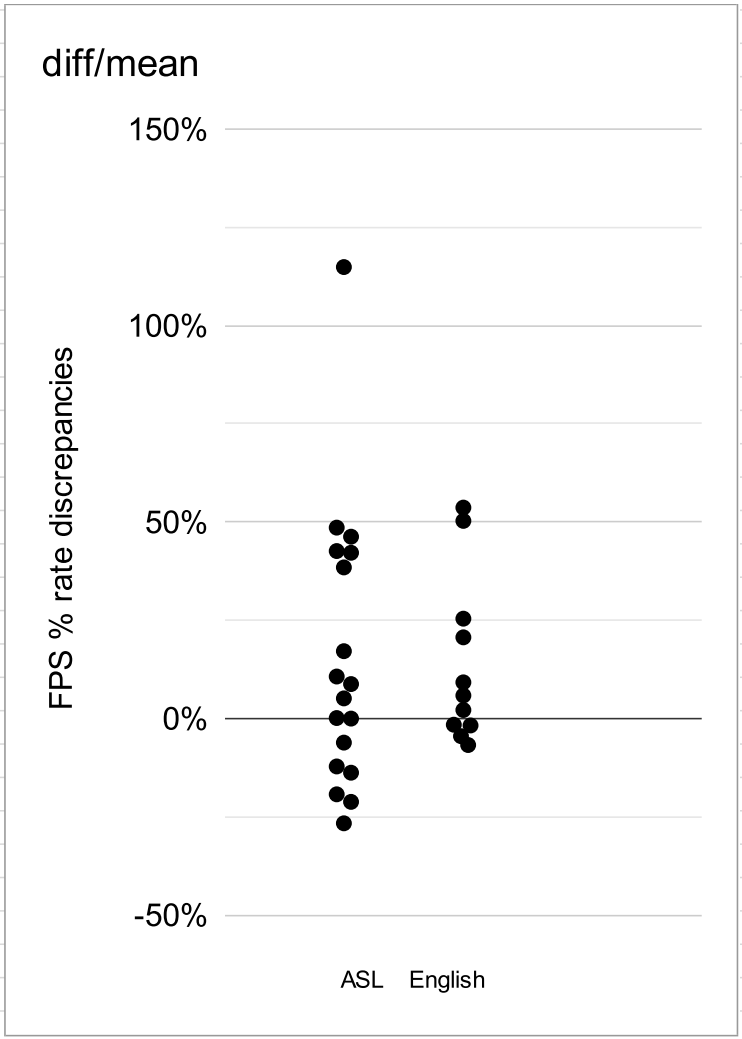
| Dyad # | Participant 1 (P1) | Participant 2 (P2) | H's FPS rate | L's FPS rate | Lo>/<Hi | x-axis | Hi>/<Lo | x-axis | diff/sum | x-axis | diff/mean | x-axis |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 4 | 7.73 | 9.51 | 0.23 | | -0.19 | | 0.10 | | 0.21 | |
| 12 | 23 | 24 | 7.31 | 7.75 | 0.06 | | -0.06 | | 0.03 | | 0.06 | |
| 20 | 40 | 39 | 6.38 | 11.06 | 0.73 | | -0.42 | | 0.27 | | 0.54 | |
| 21 | 42 | 41 | 9.64 | 9.47 | -0.02 | | 0.02 | | -0.01 | | -0.02 | |
| 32 | 53 | 54 | 7.72 | 7.38 | -0.04 | | 0.05 | | -0.02 | | -0.05 | |
| 35 | 59 | 60 | 7.61 | 7.49 | -0.02 | | 0.02 | | -0.01 | | -0.02 | |
| 41 | 71 | 72 | 6.73 | 6.29 | -0.07 | | 0.07 | | -0.03 | | -0.07 | |
| 42 | 74 | 73 | 7.68 | 8.42 | 0.10 | | -0.09 | | 0.05 | | 0.09 | |
| 46 | 81 | 82 | 7.63 | 9.85 | 0.29 | | -0.23 | | 0.13 | | 0.25 | |
| 52 | 94 | 93 | 6.89 | 7.04 | 0.02 | | -0.02 | | 0.01 | | 0.02 | |
| 55 | 99 | 100 | 3.87 | 6.47 | 0.67 | | -0.40 | | 0.25 | | 0.50 | |

Flip Hi>/<Lo for directionality

| rate | x-axis | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.23 | 0.00 | 0.19 | 1 | 0.10 | 2 | 0.21 | 3 |
| 0.06 | 0.00 | 0.06 | 1 | 0.03 | 2 | 0.06 | 3 |
| 0.73 | 0.00 | 0.42 | 1 | 0.27 | 2 | 0.54 | 3 |
| -0.02 | -0.05 | -0.02 | 1 | -0.01 | 2 | -0.02 | 3 |
| -0.04 | 0.00 | -0.05 | 1 | -0.02 | 2 | -0.05 | 3 |
| -0.02 | 0.05 | -0.02 | 1 | -0.01 | 2 | -0.02 | 3 |
| -0.07 | 0.00 | -0.07 | 1 | -0.03 | 2 | -0.07 | 3 |
| 0.10 | 0.00 | 0.09 | 1 | 0.05 | 2 | 0.09 | 3 |
| 0.29 | 0.00 | 0.23 | 1 | 0.13 | 2 | 0.25 | 3 |
| 0.02 | 0.00 | 0.02 | 1 | 0.01 | 2 | 0.02 | 3 |
| 0.67 | 0.00 | 0.40 | 1 | 0.25 | 2 | 0.50 | 3 |
| 0.19 | 1.00 | | | | | | |
| 0.06 | 1.00 | | | | | | |
| 0.42 | 1.00 | | | | | | |
| -0.02 | 0.95 | | | | | | |
| -0.05 | 1.00 | | | | | | |
| -0.02 | 1.05 | | | | | | |
| -0.07 | 1.00 | | | | | | |
| 0.09 | 1.00 | | | | | | |
| 0.23 | 1.00 | | | | | | |
| 0.02 | 1.00 | | | | | | |
| 0.40 | 1.00 | | | | | | |
| 0.10 | 2.00 | | | | | | |
| 0.03 | 2.00 | | | | | | |
| 0.27 | 2.00 | | | | | | |
| -0.01 | 2.06 | | | | | | |
| -0.02 | 2.01 | | | | | | |
| -0.01 | 1.96 | | | | | | |
| -0.03 | 1.97 | | | | | | |
| 0.05 | 2.00 | | | | | | |
| 0.13 | 2.00 | | | | | | |
| 0.01 | 2.00 | | | | | | |
| 0.25 | 2.00 | | | | | | |
| 0.21 | 3.00 | | | | | | |
| 0.06 | 3.00 | | | | | | |
| 0.54 | 3.00 | | | | | | |
| -0.02 | 3.04 | | | | | | |
| -0.05 | 3.00 | | | | | | |
| -0.02 | 2.96 | | | | | | |
| -0.07 | 3.00 | | | | | | |
| 0.09 | 3.00 | | | | | | |
| 0.25 | 3.00 | | | | | | |
| 0.02 | 3.00 | | | | | | |
| 0.50 | 3.00 | | | | | | |

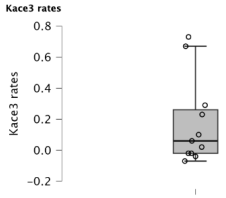


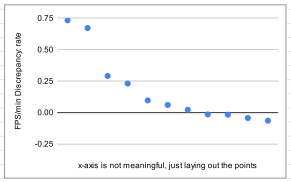
| | diff/mean | x-axis |
|---|---|---|
| ASL data | 115% | 1 |
| | 49% | 0.97 |
| | 46% | 1.03 |
| | 43% | 0.97 |
| | 42% | 1.03 |
| | 38% | 1 |
| | 17% | 1 |
| | 11% | 0.97 |
| | 9% | 1.03 |
| | 5% | 1 |
| | 0% | 0.97 |
| | 0% | 1.03 |
| | -6% | 1 |
| | -12% | 0.97 |
| | -14% | 1.03 |
| | -19% | 0.97 |
| | -21% | 1.03 |
| | -27% | 1 |
| English data | 21% | 1.5 |
| | 6% | 1.5 |
| | 54% | 1.5 |
| | -2% | 1.53 |
| | -5% | 1.49 |
| | -2% | 1.46 |
| | -7% | 1.52 |
| | 9% | 1.5 |
| | 25% | 1.5 |
| | 2% | 1.5 |
| | 50% | 1.5 |

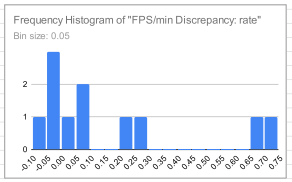


| Kace column >> | C | A | B | FM | HL | Kiva added | FW | HV | Kiva added | E | F | Kiva added | | Q | CM | Kiva added | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | irq4 | irq4b | | irq15 | irq15b | | domin1 | domin2 | | | i1 | i2 | | | | |
| Kiva label >> | Dyad # | Participant 1 (P1) | Participant 2 (P2) | P1's IRQ4 response | P2's IRQ4 response | Agreement (8 = perfect agreement) | P1's IRQ15 response | P2's IRQ15 response | Agreement (8 = perfect agreement) | Kace's dominance score for P1 | Kace's dominance score for P2 | H dom | L dom | P1's FPS pronoun rate (% of words used) | P2's FPS pronoun rate (% of words used) | H's FPS rate | L's FPS rate | For scatterplot jitter: x-axis | **FPS/min Discrepancy: rate** |
| Notes | | | | | | | | | | | | | | | | | | | |
| | 20 | 40 | 39 | 4 | 5 | 9 | 3 | 5 | 8 | 7 | 10 | 10 | 7 | 11.06 | 6.38 | 6.38 | 11.06 | 0.00 | **0.73** |
| | 55 | 99 | 100 | 5 | 4 | 9 | 5 | 3 | 8 | 10 | 7 | 10 | 7 | 3.87 | 6.47 | 3.87 | 6.47 | 0.00 | **0.67** |
| | 46 | 81 | 82 | 3 | 5 | 8 | 3 | 4 | 7 | 6 | 9 | 9 | 6 | 9.85 | 7.63 | 7.63 | 9.85 | 0.00 | **0.29** |
| | 2 | 3 | 4 | 3 | 5 | 8 | 4 | 4 | 8 | 7 | 9 | 9 | 7 | 9.51 | 7.73 | 7.73 | 9.51 | 0.00 | **0.23** |
| | 42 | 74 | 73 | 4 | 4 | 8 | 3 | 4 | 7 | 7 | 8 | 8 | 7 | 8.42 | 7.68 | 7.68 | 8.42 | 0.00 | **0.10** |
| | 12 | 23 | 24 | 4 | 4 | 8 | 5 | 4 | 9 | 9 | 8 | 9 | 8 | 7.31 | 7.75 | 7.31 | 7.75 | 0.00 | **0.06** |
| | 52 | 94 | 93 | 3 | 6 | 9 | 5 | 4 | 9 | 8 | 10 | 10 | 8 | 7.04 | 6.89 | 6.89 | 7.04 | 0.00 | **0.02** |
| | 35 | 59 | 60 | 5 | 3 | 8 | 5 | 3 | 8 | 10 | 6 | 10 | 6 | 7.61 | 7.49 | 7.61 | 7.49 | -0.02 | **-0.02** |
| | 21 | 42 | 41 | 4 | 3 | 7 | 4 | 3 | 7 | 8 | 6 | 8 | 6 | 9.64 | 9.47 | 9.64 | 9.47 | 0.02 | **-0.02** |
| | 32 | 53 | 54 | 3 | 6 | 9 | 4 | 5 | 9 | 7 | 11 | 11 | 7 | 7.38 | 7.72 | 7.72 | 7.38 | 0.00 | **-0.04** |
| | 41 | 71 | 72 | 6 | 1 | 7 | 5 | 2 | 7 | 11 | 3 | 11 | 3 | 6.73 | 6.29 | 6.73 | 6.29 | 0.00 | **-0.07** |
| | | | | | | | | | | | **min** | 8 | 3 | | **min** | 3.87 | 6.29 | | |
| Removed dyads whose 2Q scores were identical: | | | | | | | | | | | **max** | 11 | 8 | | **max** | 9.64 | 11.06 | | |
| 15, 34, 38 | | | | | | | | | | | | | | | | | | mean | 0.18 |
| | | | | | | | | | | | | | | | | | | median | 0.06 |
| | | | | | | | | | | | | | | | | | | range | 0.80 |
| | | | | | | | | | | | | | | | | | | min | -0.07 |
| | | | | | | | | | | | | | | | | | | max | 0.73 |
| | | | | | | | | | | | | | | | | | | sd | 0.28 |

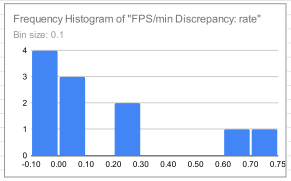
Boxplot of FPS discrepancy rates

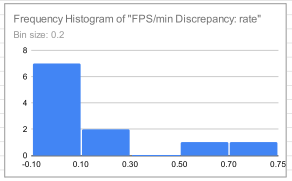


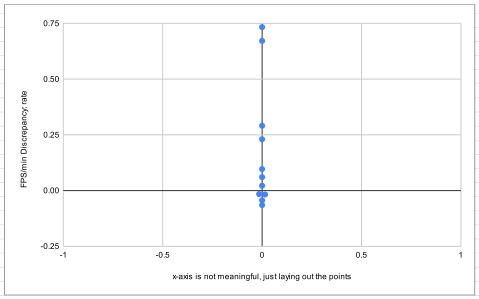




**These 3 charts are the same data, just binned differently**



| Kace column >> | C | A | B | Kiva added | D | E | Kiva added | F | Kiva added | G | J | Q | CF | CM | FB | FC | FD | FE | FF | FG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | | sex | dom1 | | dom2 | | domdif | wc1 | i1 | wc2 | i2 | idif | wcdif | iperc | wcperc | sub | status |
| Kiva label >><br>🟥 Dyads w missing data | Dyad # | Participant 1 (P1) | Participant 2 (P2) | P1 lower subID? | Sex and/or Gender | Kace's dominance score for P1 | 2Q Dom P1, based on the paper | Kace's dominance score for P2 | 2Q Dom P2, based on the paper | Discrepancy in dominance scores (P1 minus P2) | P1's word count | P1's FPS pronoun rate (% of words used) | P2's word count | P2's FPS pronoun rate (% of words used) | Discrepancy in FPS pronoun rates (P1 minus P2) | Discrepancy in word count (P1 minus P2) | ?? 0.37-0.63 ?? | ?? 0.23 - 0.74 ?? | subject? | ? |
| | 1 | 2 | 1 | FALSE | 2 | 13 | 5 | 22 | 10 | -5 | 429 | 6.29 | 1276 | 5.66 | 0.63 | -847 | [illegible] | [illegible] | 2 | 1 |
| | 2 | 3 | 4 | TRUE | 2 | 15 | 7 | 20 | 9 | -2 | 536 | 9.51 | 1112 | 7.73 | 1.78 | -576 | [illegible] | [illegible] | 3 | 1 |
| | 3 | 6 | 5 | FALSE | 2 | 14 | 6 | 15 | 5 | 1 | 694 | 7.93 | 1691 | 6.21 | 1.72 | -997 | [illegible] | [illegible] | 6 | 1 |
| | 4 | 7 | 8 | TRUE | 2 | 21 | 12 | 14 | 7 | 5 | 738 | 6.64 | 1267 | 10.18 | -3.54 | -529 | [illegible] | [illegible] | 7 | 1 |
| | 5 | 9 | 10 | TRUE | 2 | 20 | 9 | 11 | 4 | 5 | 697 | 5.88 | 1103 | 6.26 | -0.38 | -406 | [illegible] | [illegible] | 9 | 1 |
| | 6 | 12 | 11 | FALSE | 2 | 14 | 6 | 16 | 6 | 0 | 1180 | 9.15 | 1505 | 8.7 | 0.45 | -325 | [illegible] | [illegible] | 12 | 1 |
| 🟥 | 7 | 14 | 13 | FALSE | 2 | 16 | 8 | 12 | 5 | 3 | 1038 | 8.57 | 1108 | 8.12 | 0.45 | -70 | [illegible] | [illegible] | 14 | 1 |
| | 8 | 15 | 16 | TRUE | 2 | 19 | 10 | 13 | 5 | 5 | 810 | 6.94 | 1178 | 5.01 | 1.93 | -368 | [illegible] | [illegible] | 15 | 1 |
| | 9 | 18 | 17 | FALSE | 2 | 17 | 8 | 9 | 6 | 2 | 1088 | 8.18 | 817 | 8.32 | -0.14 | 271 | [illegible] | [illegible] | 18 | 1 |
| | 10 | 19 | 20 | TRUE | 2 | 16 | 8 | 22 | 11 | -3 | 483 | 9.73 | 647 | 13.45 | -3.72 | -164 | [illegible] | [illegible] | 19 | 1 |
| | 11 | 21 | 22 | TRUE | 2 | 19 | 10 | 19 | 11 | -1 | 919 | 7.4 | 822 | 7.79 | -0.39 | 97 | [illegible] | [illegible] | 21 | 1 |
| | 12 | 23 | 24 | TRUE | 2 | 17 | 9 | 15 | 8 | 1 | 985 | 7.31 | 787 | 7.75 | -0.44 | 198 | [illegible] | [illegible] | 23 | 1 |
| | 13 | 25 | 26 | TRUE | 2 | 17 | 7 | 15 | 6 | 1 | 715 | 6.15 | 1334 | 6.3 | -0.15 | -619 | [illegible] | [illegible] | 25 | 1 |
| | 14 | 28 | 27 | FALSE | 2 | 25 | 13 | 11 | 5 | 8 | 1326 | 7.99 | 795 | 8.68 | -0.69 | 531 | [illegible] | [illegible] | 28 | 1 |
| | 15 | 30 | 29 | FALSE | 2 | 19 | 9 | 17 | 9 | 0 | 1343 | 7.67 | 854 | 12.53 | -4.86 | 489 | [illegible] | [illegible] | 30 | 1 |
| | 16 | 32 | 31 | FALSE | 2 | 22 | 11 | 13 | 8 | 3 | 1390 | 6.67 | 596 | 7.55 | -0.88 | 794 | [illegible] | [illegible] | 32 | 1 |
| | 17 | 33 | 34 | TRUE | 2 | 18 | 8 | 15 | 8 | 0 | 1046 | 8.32 | 1104 | 6.61 | 1.71 | -58 | [illegible] | [illegible] | 33 | 1 |
| | 18 | 35 | 36 | TRUE | 2 | 12 | 6 | 15 | 5 | 1 | 675 | 7.7 | 1097 | 7.86 | -0.16 | -422 | [illegible] | [illegible] | 35 | 1 |
| | **19** | **38** | **37** | **FALSE** | **2** | **15** | **6** | **14** | **6** | **0** | **826** | **6.3** | **631** | **9.51** | **-3.21** | **195** | [illegible] | [illegible] | **37** | **1** |
| | 20 | 40 | 39 | FALSE | 2 | 15 | 7 | 19 | 10 | -3 | 814 | 11.06 | 1019 | 6.38 | 4.68 | -205 | [illegible] | [illegible] | 40 | 1 |
| 🟥 | 21 | 42 | 41 | FALSE | 2 | 16 | 8 | 14 | 6 | 2 | 643 | 9.64 | 718 | 9.47 | 0.17 | -75 | [illegible] | [illegible] | 42 | 1 |
| | 22 | 43 | 44 | TRUE | 2 | 17 | 9 | 14 | 5 | 4 | 668 | 7.19 | 1072 | 6.81 | 0.38 | -404 | [illegible] | [illegible] | 43 | 1 |
| 🟥 | 23 | 46 | 45 | FALSE | 2 | 10 | 5 | 16 | 8 | -3 | 463 | 6.91 | 1306 | 6.97 | -0.06 | -843 | [illegible] | [illegible] | 46 | 1 |
| 🟥 | 24 | 48 | 47 | FALSE | 2 | 17 | 7 | 18 | 7 | 0 | 1005 | 7.86 | 785 | 8.92 | -1.06 | 220 | [illegible] | [illegible] | 48 | 1 |
| | **25** | **49** | **50** | **TRUE** | **2** | **15** | **7** | **18** | **10** | **-3** | **1662** | **8.18** | **919** | **9.06** | **-0.88** | **743** | [illegible] | [illegible] | **50** | **1** |
| | 31 | 51 | 52 | TRUE | 1 | 16 | 8 | 13 | 5 | 3 | 507 | 4.54 | 1501 | 6.86 | -2.32 | -994 | [illegible] | [illegible] | 51 | 1 |
| | 32 | 53 | 54 | TRUE | 1 | 14 | 7 | 21 | 11 | -4 | 827 | 7.36 | 1295 | 7.72 | -0.36 | -468 | [illegible] | [illegible] | 53 | 1 |
| | 33 | 56 | 55 | FALSE | 1 | 14 | 5 | 20 | 9 | -4 | 878 | 6.83 | 1213 | 4.86 | 1.97 | -335 | [illegible] | [illegible] | 56 | 1 |
| | 34 | 58 | 57 | FALSE | 1 | 15 | 8 | 16 | 8 | 0 | 914 | 8.1 | 738 | 6.64 | 1.46 | 176 | [illegible] | [illegible] | 58 | 1 |
| | 35 | 59 | 60 | TRUE | 1 | 22 | 10 | 12 | 6 | 4 | 1091 | 7.61 | 908 | 7.49 | 0.12 | 183 | [illegible] | [illegible] | 59 | 1 |
| | 36 | 61 | 62 | TRUE | 1 | 11 | 4 | 24 | 12 | -8 | 556 | 8.09 | 917 | 6.87 | 1.22 | -361 | [illegible] | [illegible] | 61 | 1 |
| | 37 | 63 | 64 | TRUE | 1 | 15 | 8 | 14 | 6 | 2 | 1119 | 5 | 854 | 6.09 | -1.09 | 265 | [illegible] | [illegible] | 63 | 1 |
| | 38 | 66 | 65 | FALSE | 1 | 14 | 8 | 17 | 8 | 0 | 657 | 6.24 | 1173 | 6.39 | -0.15 | -516 | [illegible] | [illegible] | 66 | 1 |
| | 39 | 68 | 67 | FALSE | 1 | 17 | 8 | 22 | 11 | -3 | 807 | 7.68 | 642 | 6.07 | 1.61 | 165 | [illegible] | [illegible] | 68 | 1 |
| | **40** | **69** | **70** | **TRUE** | **1** | **16** | **8** | **22** | **10** | **-2** | **823** | **6.93** | **919** | **7.83** | **-0.9** | **-96** | [illegible] | [illegible] | **70** | **1** |
| | 41 | 71 | 72 | TRUE | 1 | 23 | 11 | 5 | 3 | 8 | 847 | 6.73 | 763 | 6.29 | 0.44 | 84 | [illegible] | [illegible] | 71 | 1 |
| | **42** | **74** | **73** | **FALSE** | **1** | **13** | **7** | **19** | **8** | **-1** | **1307** | **8.42** | **807** | **7.66** | **0.76** | **500** | [illegible] | [illegible] | **73** | **1** |
| | 43 | 76 | 75 | FALSE | 1 | 22 | 11 | 21 | 10 | 1 | 785 | 5.1 | 1006 | 8.15 | -3.05 | -221 | [illegible] | [illegible] | 76 | 1 |
| | 44 | 77 | 78 | TRUE | 1 | 14 | 6 | 14 | 8 | -2 | 1050 | 4.1 | 728 | 5.77 | -1.67 | 322 | [illegible] | [illegible] | 77 | 1 |
| | 45 | 80 | 79 | FALSE | 1 | 25 | 11 | 14 | 8 | 3 | 1333 | 5.91 | 459 | 6.97 | -1.06 | 874 | [illegible] | [illegible] | 80 | 1 |
| | 46 | 81 | 82 | TRUE | 1 | 12 | 6 | 19 | 9 | -3 | 467 | 9.85 | 1547 | 7.63 | 2.22 | -1080 | [illegible] | [illegible] | 81 | 1 |
| | 47 | 84 | 83 | FALSE | 1 | 15 | 7 | 15 | 7 | 0 | 1001 | 4.1 | 1206 | 4.66 | -0.56 | -205 | [illegible] | [illegible] | 84 | 1 |
| | 48 | 85 | 86 | TRUE | 1 | 10 | 4 | 14 | 7 | -3 | 989 | 5.36 | 1077 | 4.36 | 1 | -88 | [illegible] | [illegible] | 85 | 1 |
| | 49 | 87 | 88 | TRUE | 1 | 13 | 5 | 19 | 9 | -4 | 1252 | 9.37 | 666 | 6.31 | 3.06 | 586 | [illegible] | [illegible] | 87 | 1 |
| | 50 | 90 | 89 | FALSE | 1 | 16 | 7 | 15 | 7 | 0 | 955 | 6.39 | 702 | 6.7 | -0.31 | 253 | [illegible] | [illegible] | 90 | 1 |
| | 51 | 92 | 91 | FALSE | 1 | 13 | 6 | 25 | 13 | -7 | 554 | 9.03 | 966 | 8.28 | 0.75 | -412 | [illegible] | [illegible] | 92 | 1 |
| | 52 | 94 | 93 | FALSE | 1 | 16 | 8 | 23 | 10 | -2 | 554 | 7.04 | 973 | 6.89 | 0.15 | -419 | [illegible] | [illegible] | 94 | 1 |
| | 53 | 96 | 95 | FALSE | 1 | 14 | 6 | 19 | 9 | -3 | 559 | 5.72 | 671 | 4.92 | 0.8 | -112 | [illegible] | [illegible] | 96 | 1 |
| | 54 | 97 | 98 | TRUE | 1 | 22 | 10 | 17 | 8 | 2 | 1054 | 4.84 | 618 | 5.02 | -0.18 | 436 | [illegible] | [illegible] | 97 | 1 |
| | 55 | 99 | 100 | TRUE | 1 | 19 | 10 | 15 | 7 | 3 | 930 | 3.87 | 788 | 6.47 | -2.6 | 142 | [illegible] | [illegible] | 99 | 1 |

| Kace column >> | C | A | B | D | E | Kiva added | F | Kiva added | G | J | Q | CF | CM | FB | FC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kace label >> | pair | sub1 | sub2 | sex | domin1 | | domin2 | | domindf | wc1 | i1 | wc2 | i2 | idf | wcdf |
| Kiva label >> <br> Dyads w missing data | Dyad # | Participant 1 (P1) | Participant 2 (P2) | Sex and/or Gender | Kace's dominance score for P1 | 2Q Dom P1, based on the paper | Kace's dominance score for P2 | 2Q Dom P2, based on the paper | Discrepancy in dominance scores (P1 minus P2) | P1's word count | P1's FPS pronoun rate (% of words used) | P2's word count | P2's FPS pronoun rate (% of words used) | Discrepancy in FPS pronoun rates (P1 minus P2) | Discrepancy in word count (P1 minus P2) |
| | 1 | 2 | 1 | 2 | 13 | 5 | 22 | 10 | -9 | 429 | 6.29 | 1276 | 5.64 | 0.65 | -847 |
| | 2 | 3 | 4 | 2 | 18 | 7 | 20 | 9 | -2 | 536 | 9.51 | 1112 | 7.73 | 1.78 | -576 |
| | 3 | 6 | 5 | 2 | 14 | 6 | 13 | 5 | 1 | 694 | 7.93 | 1691 | 6.21 | 1.72 | -997 |
| | 4 | 7 | 8 | 2 | 21 | 12 | 14 | 7 | 5 | 738 | 6.64 | 1267 | 10.18 | -3.54 | -529 |
| | 5 | 9 | 10 | 2 | 20 | 9 | 11 | 4 | 5 | 697 | 5.88 | 1103 | 6.26 | -0.38 | -406 |
| | 6 | 12 | 11 | 2 | 14 | 6 | 16 | 6 | 0 | 1180 | 9.15 | 1505 | 8.7 | 0.45 | -325 |
| | 7 | 14 | 13 | 2 | 16 | 8 | 12 | 5 | 3 | 1038 | 8.57 | 1108 | 8.12 | 0.45 | -70 |
| | 8 | 15 | 16 | 2 | 19 | 10 | 13 | 5 | 5 | 810 | 6.54 | 1178 | 5.01 | 1.53 | -368 |
| | 9 | 18 | 17 | 2 | 17 | 8 | 9 | 6 | 2 | 1088 | 8.18 | 817 | 8.32 | -0.14 | 271 |
| | 10 | 19 | 20 | 2 | 16 | 8 | 22 | 11 | -3 | 483 | 9.73 | 647 | 13.45 | -3.72 | -164 |
| | 11 | 21 | 22 | 2 | 19 | 10 | 19 | 11 | -1 | 919 | 7.4 | 822 | 7.79 | -0.39 | 97 |
| | 12 | 23 | 24 | 2 | 17 | 9 | 15 | 8 | 1 | 985 | 7.31 | 787 | 7.75 | -0.44 | 198 |
| | 13 | 25 | 26 | 2 | 17 | 7 | 15 | 6 | 1 | 715 | 6.15 | 1334 | 6.3 | -0.15 | -619 |
| | 14 | 28 | 27 | 2 | 25 | 13 | 11 | 5 | 8 | 1326 | 7.99 | 795 | 8.68 | -0.69 | 531 |
| | 15 | 30 | 29 | 2 | 19 | 9 | 17 | 9 | 0 | 1343 | 7.67 | 854 | 12.53 | -4.86 | 489 |
| | 16 | 32 | 31 | 2 | 22 | 11 | 13 | 8 | 3 | 1350 | 6.67 | 556 | 7.55 | -0.88 | 794 |
| | 17 | 33 | 34 | 2 | 18 | 8 | 15 | 8 | 0 | 1046 | 8.32 | 1104 | 6.61 | 1.71 | -58 |
| | 18 | 35 | 36 | 2 | 12 | 6 | 15 | 5 | 1 | 675 | 7.7 | 1097 | 7.84 | -0.14 | -422 |
| | **19** | **38** | **37** | **2** | **18** | **6** | **14** | **6** | **0** | **826** | **6.3** | **631** | **9.51** | **-3.21** | **195** |
| | 20 | 40 | 39 | 2 | 15 | 7 | 19 | 10 | -3 | 814 | 11.06 | 1019 | 6.38 | 4.68 | -205 |
| | 21 | 42 | 41 | 2 | 16 | 8 | 14 | 6 | 2 | 643 | 9.64 | 718 | 9.47 | 0.17 | -75 |
| | 22 | 43 | 44 | 2 | 17 | 9 | 14 | 5 | 4 | 668 | 7.19 | 1072 | 6.81 | 0.38 | -404 |
| | 23 | 46 | 45 | 2 | 10 | 5 | 16 | 8 | -3 | 463 | 6.91 | 1306 | 6.97 | -0.06 | -843 |
| | 24 | 48 | 47 | 2 | 17 | 7 | 18 | 7 | 0 | 1005 | 7.86 | 785 | 8.92 | -1.06 | 220 |
| | **25** | **49** | **50** | **2** | **18** | **7** | **18** | **10** | **-3** | **1262** | **8.48** | **519** | **9.06** | **-0.58** | **743** |
| | 31 | 51 | 52 | 1 | 16 | 8 | 13 | 5 | 3 | 907 | 4.96 | 1901 | 6.88 | -2.32 | -994 |
| | 32 | 53 | 54 | 1 | 14 | 7 | 21 | 11 | -4 | 827 | 7.38 | 1295 | 7.72 | -0.34 | -468 |
| | 33 | 56 | 55 | 1 | 14 | 5 | 20 | 9 | -4 | 878 | 6.83 | 1213 | 4.86 | 1.97 | -335 |
| | 34 | 58 | 57 | 1 | 15 | 8 | 16 | 8 | 0 | 914 | 8.1 | 738 | 6.64 | 1.46 | 176 |
| | 35 | 59 | 60 | 1 | 22 | 10 | 12 | 6 | 4 | 1091 | 7.61 | 908 | 7.49 | 0.12 | 183 |
| | 36 | 61 | 62 | 1 | 11 | 4 | 24 | 12 | -8 | 556 | 8.09 | 917 | 6.87 | 1.22 | -361 |
| | 37 | 63 | 64 | 1 | 15 | 8 | 14 | 6 | 2 | 1119 | 5 | 854 | 6.09 | -1.09 | 265 |
| | 38 | 66 | 65 | 1 | 14 | 8 | 17 | 8 | 0 | 697 | 6.24 | 1173 | 6.39 | -0.15 | -516 |
| | 39 | 68 | 67 | 1 | 17 | 8 | 22 | 11 | -3 | 807 | 7.68 | 642 | 6.07 | 1.61 | 165 |
| | **40** | **69** | **70** | **1** | **16** | **8** | **22** | **10** | **-2** | **823** | **6.93** | **919** | **7.83** | **-0.9** | **-96** |
| | 41 | 71 | 72 | 1 | 23 | 11 | 5 | 3 | 8 | 847 | 6.73 | 763 | 6.29 | 0.44 | 84 |
| | **42** | **74** | **73** | **1** | **13** | **7** | **19** | **8** | **-1** | **1307** | **8.42** | **807** | **7.68** | **0.74** | **500** |
| | 43 | 76 | 75 | 1 | 22 | 11 | 21 | 10 | 1 | 785 | 5.1 | 1006 | 8.15 | -3.05 | -221 |
| | 44 | 77 | 78 | 1 | 14 | 6 | 14 | 8 | -2 | 1050 | 4.1 | 728 | 5.77 | -1.67 | 322 |
| | 45 | 80 | 79 | 1 | 25 | 11 | 14 | 8 | 3 | 1333 | 5.93 | 459 | 6.97 | -1.04 | 874 |
| | 46 | 81 | 82 | 1 | 12 | 6 | 19 | 9 | -3 | 467 | 9.85 | 1547 | 7.63 | 2.22 | -1080 |
| | 47 | 84 | 83 | 1 | 15 | 7 | 15 | 7 | 0 | 1001 | 4.1 | 1206 | 4.64 | -0.54 | -205 |
| | 48 | 85 | 86 | 1 | 10 | 4 | 14 | 7 | -3 | 989 | 5.36 | 1077 | 4.36 | 1 | -88 |
| | 49 | 87 | 88 | 1 | 13 | 5 | 19 | 9 | -4 | 1252 | 9.35 | 666 | 6.31 | 3.04 | 586 |
| | 50 | 90 | 89 | 1 | 16 | 7 | 15 | 7 | 0 | 955 | 6.39 | 702 | 6.7 | -0.31 | 253 |
| | 51 | 92 | 91 | 1 | 13 | 6 | 25 | 13 | -7 | 554 | 9.03 | 966 | 8.28 | 0.75 | -412 |
| | 52 | 94 | 93 | 1 | 16 | 8 | 23 | 10 | -2 | 554 | 7.06 | 973 | 6.89 | 0.15 | -419 |
| | 53 | 96 | 95 | 1 | 14 | 6 | 19 | 9 | -3 | 559 | 5.72 | 671 | 4.92 | 0.8 | -112 |
| | 54 | 97 | 98 | 1 | 22 | 10 | 17 | 8 | 2 | 1054 | 4.86 | 618 | 5.02 | -0.16 | 436 |
| | 55 | 99 | 100 | 1 | 19 | 10 | 15 | 7 | 3 | 930 | 3.87 | 788 | 6.47 | -2.6 | 142 |
| # blank cells: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |