

Below is a column-by-column description of the 2014 evolution acceptance survey first used in Dunk et al. 2017¹. For additional information please refer to that manuscript, as well as the coding descriptions and complete survey also hosted at figshare.

Throughout the data file, incomplete data is represented by three periods (...). The shading was for internal purposes except for red which may indicate portions of the survey that were completed only superficially. The following table describes what data is given in each column:

Columns	Item	Description
A	Sample Number	Internal numbers used as individual identifiers
B-AC	Evolutionary Terms Index ²	Term is given in row 2. If term was checked, value is “1”. If term was unchecked value is “0”.
AD	Evolutionary Terms Index Total	Total number of terms checked (sum of B-AC)
AE-AX	Measure of Acceptance of the Theory of Evolution (MATE) ³	Summary of each question is given in row 2 (see original survey for full question). Likert value response is entered for each question.
AY	MATE Total	MATE Score. Some items are reverse scored for this total (reverse score= 6-answer given).
AZ-DH	Evolutionary Attitudes and Literacy Survey-Short Form (EALS-SF) ⁴	Summary of each question is given in row 2 (see original survey for full questions). Likert value response is entered for each question.
DJ-FA	Big Five Inventory (BFI) ⁵	Each item is given in row 2 (presented in survey as “I see myself as someone who...”). Likert value response is entered for each question.
FB	BFI Openness to Experience	Openness to Experience score. Some items are reverse scored for this total (reverse score= 6-answer given).
FC	BFI Extraversion	Extraversion score. Some items are reverse scored for this total (reverse score= 6-answer given).
FD	BFI Agreeableness	Agreeableness score. Some items are reverse scored for this total (reverse score= 6-answer given).
FE	BFI Conscientiousness	Conscientiousness score. Some items are reverse scored for this total (reverse score= 6-answer given).
FF	BFI Neuroticism	Neuroticism score. Some items are reverse scored for this total (reverse score= 6-answer given).
FH-GA	Understanding of Science ⁶	Summary of each statement is given in row 2 (see original survey for full questions). Likert value response is entered for each question.
GB	NoS Full	Score on the full Johnson and Peeples Understanding of Science measure of the Nature of Science (NoS). Some items are reverse scored for this total (reverse score= 6-answer given).
GC	NoS Rutledge & Warden ⁷	Score on Rutledge and Warden’s modified measure of the Nature of Science (using a subset of the same questions). Some items are reverse scored for this total (reverse score= 6-answer given).

GE	Age	Entered as given.
GF	Sex	As given or “F” for female and “M” for male (no other responses given).
GG	Ethnicity	Entered as given.
GH	Hispanic	“N” for participants who indicated they were not Hispanic, “Y” for participants who did.
GI	Ethnicity coded	Coding for ethnicity based on GG and GH.
GJ	Denomination	Entered as given.
GK	Denomination Coded	Coding for denomination. Catholic= “C”, Protestant= “P”, Non-denomination Christian= “X”, Not Religious= “N”, and Other= “O”.
GL	Importance of Church	Entered as given.
GM	Importance of Church Coded	Coding for Importance of Church from 1 (low importance) to 5 (high importance).
GN	“How often do you go to church?”	Entered as given
GO	Church Attendance Coded	Coding for frequency of church attendance (GN) from 1 (least frequent) to 5 (most frequent)
GP	Net College GPA	Entered as given. “D” is mostly Ds, followed in increasing order by “C” (mostly Cs), “CB” (a mix of Cs and Bs), “B” (mostly Bs), and “AB” (a mix of As and Bs)
GQ	College Major	Entered as given
GR	Major Coded	Coding for major into “Biology”, “Nursing”, “Health” (other health majors), and “Other” (all others).
GS	Number of College Science Classes Taken	Entered as given
GT	Number of College Biology Classes Taken	Entered as given
GU	General Interest in Science	Entered as given from 1 (not at all interested) to 5 (very interested).
GV	Mother’s Highest Schooling	Ranges from “LHS” (less than high school) in increasing order to “HSD” (high school diploma or equivalent), “SC” (some college), “2YD” (2-year degree), “4YD” (4-year degree), and “GE” (graduate education)
GW	Father’s Highest Schooling	Uses the same codes as GV above
GX	Rurality of childhood home	Entered as given
GY	Rurality coded	Coding for rurality into “rural”, “suburban”, “suburban/urban”, “urban”, and “other”

Sources Cited

1. Dunk, R. D. P., Petto, A. J., Wiles, J. R. & Campbell, B. C. A Multifactorial Analysis of Acceptance of Evolution. *Evol. Educ. Outreach* **10**:4 (2017).

2. Barone, L. M., Petto, A. J. & Campbell, B. C. Predictors of evolution acceptance in a museum population. *Evol. Educ. Outreach* **7**:23 (2014).
3. Rutledge, M. L. & Sadler, K. C. Reliability of the Measure of Acceptance of the Theory of Evolution (MATE) instrument with university students. *Am. Biol. Teach.* **69**, 332–335 (2007).
4. Short, S. D. & Hawley, P. H. Evolutionary Attitudes and Literacy Survey (EALS): Development and Validation of a Short Form. *Evol. Educ. Outreach* **5**, 419–428 (2012).
5. John, O. P., Naumann, L. P. & Soto, C. J. Paradigm Shift to the Integrative Big-Five Trait Taxonomy: History, Measurement, and Conceptual issues. in *Handbook of Personality Theory and Research* (eds. John, O. P., Robins, R. W. & Pervin, L. A.) 114–158 (Guilford Press, 2008).
6. Johnson, R. L. & Peeples, E. E. The Role of Scientific Understanding in College: Student Acceptance of Evolution. *Am. Biol. Teach.* **49**, 93–98 (1987).
7. Rutledge, M. L. & Warden, M. A. Evolutionary Theory, the Nature of Science & High School Biology Teachers: Critical Relationships. *Am. Biol. Teach.* **62**, 23–31 (2000).