

Update

Previous Experience



Starting points



Similarity



Hex into groups



Engagement (Happiness)



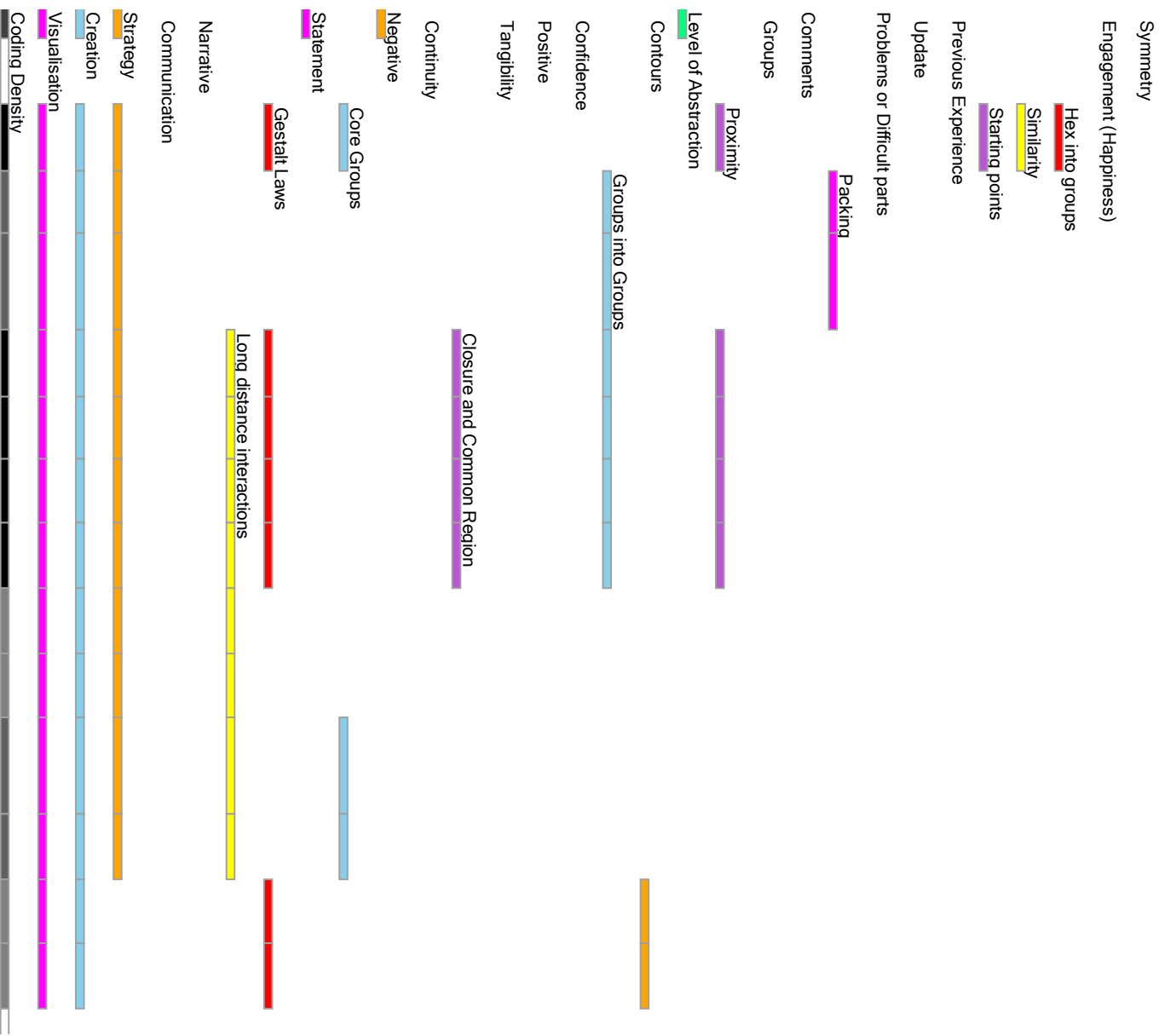
Symmetry



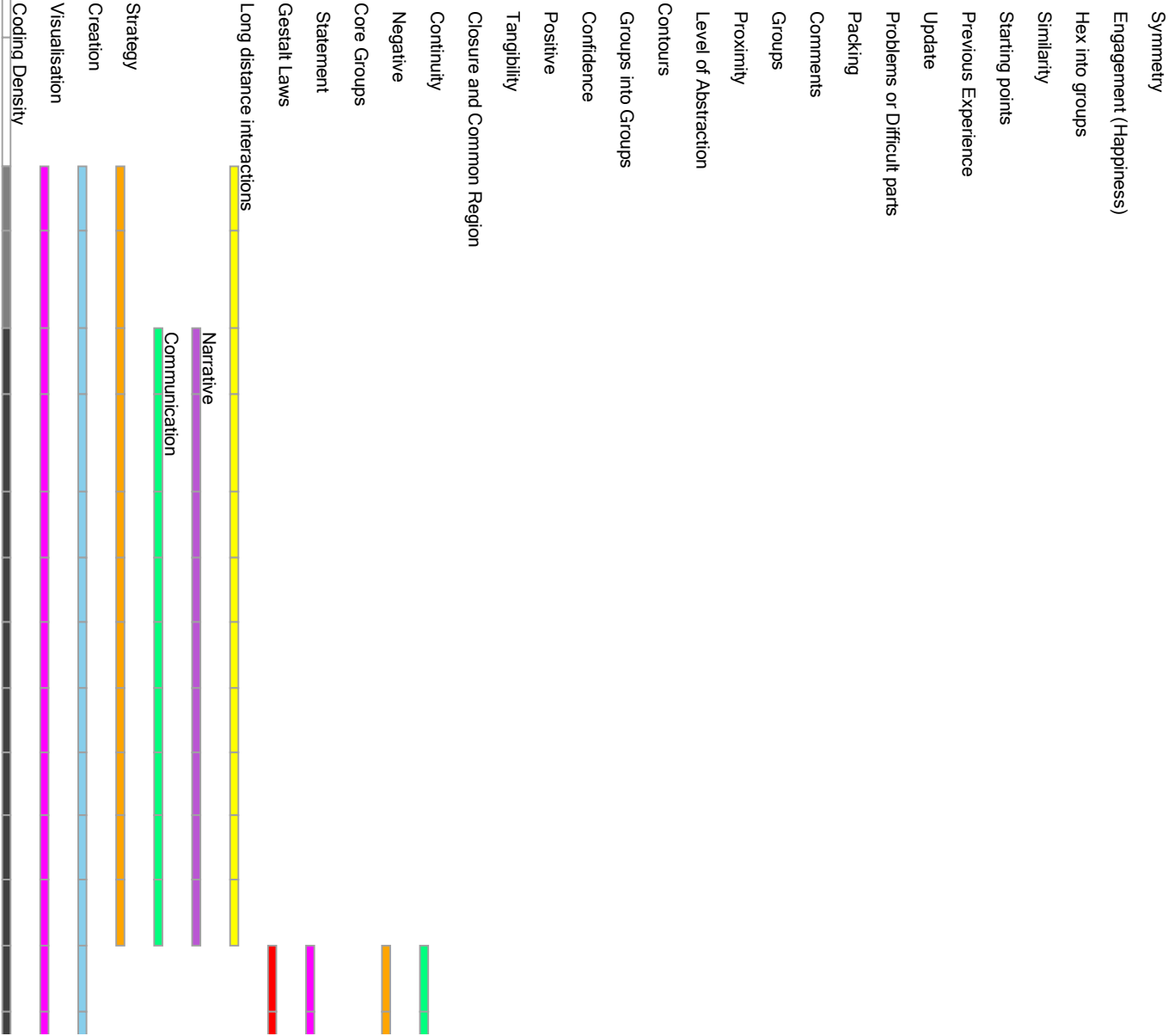
	Timespan	Content	Speaker
1	0:00.0 - 0:05.5	can you explain what have you done here?	SP
2	0:05.5 - 1:03.6	As i tried to relate the research ideas so that the audience can easily understand. So, what I did here. I wanted to group the related ideas together so that if someone read this they could easy grasps the ideas. So, I did here public services. I groups health, (...), materials, security. Under schools and I group this programs and algorithms.	
3	1:03.6 - 1:36.7	So, this is like grouping the related one. So, it seems to here, universe so I tried to group under universe. The universe is related theory, particle, aerosol, (...), earth, earthquakes and stars. So, the whole idea is grouping related to research ideas. This is what I did...	
4	1:36.7 - 1:45.1	So, for each each group do you had a main idea or a core idea? Say for example you said here is universe...	SP
5	1:45.1 - 2:37.1	Yes yes, the universe here, public and service, and here the policy, here Africa, here technology and here energy and here praying, and here community and here child and people. That is what I have considered.	
6	2:37.1 - 2:49.6	How happy are you with this overview? did you think it when right? Or are you really happy with it?	SP
7	2:49.6 - 2:58.6	Yes I;m happy to see new things. I haven't seen it before. So, I'm happy. (Being polite - use with care)	
8	2:58.6 - 3:02.6	Do you find the task difficult to do?	SP
9	3:02.6 - 3:17.1	not difficult but it is good. It is somehow interesting and it is good. Not difficult. (being polite - use with care)	
10	3:17.1 - 3:27.1	Is there any part in the whole overview that you think that is wrong or that do you don't like?	SP
11	3:27.1 - 4:00.7	It is not that I don't like but I had a challenge group (item) - text - maybe - I finally decided to put it here. I did not know where to put it (...) I just put it because I don't know where I have to relate it with the others. That was a challenge.	



12	4:00.7 - 4:09.2	So, you had problems with text because it fits to many groups? or is because it is?	SP
13	4:09.2 - 4:30.3	It seems for me un-related or maybe I haven't understood the meaning because it is research ideas so text - I haven't done this correctly. Finally I tried to put it here..	
14	4:30.3 - 4:43.4	Let me ask you a few questions about how you have created this overview. So, how do you started? did you took the cards from the box and then what did you do?	SP
15	4:43.4 - 5:05.1	Just. I spread the cards on the board and then I tried to group them. That is what I sort of what I did. After I spreading them I tried to group them according to the idea given right there.	
16	5:05.1 - 5:14.9	So, when you were creating these groups, did then you tried to merge many groups together?	SP
17	5:14.9 - 5:43.2	Yes, at the beginning. As (...) consider separately each card and then I tried to find the group. That is what I do and at the beginning I had many groups. Now I have - I did tried to join some of the groups to minimize the category or classification.	
18	5:43.2 - 5:59.5	What about the location of the groups? did you put groups that were a bit similar close together? Or you did not thought about that?	SP
19	5:59.5 - 5:59.8	What do you mean by location here?	
20	5:59.8 - 6:03.9	Like for example you have this group of technology here...	SP
21	6:03.9 - 6:23.4	I haven't considered the location of course. What I did is tried to categorize the related ones. The technology here does not mean it is the center (of the overview). I haven't consider that one.	
22	6:23.4 - 6:31.3	What about the groups next to each other? Were you considering well this one is little bit more (close) so these two groups are a little bit more - kind of similar?	SP
23	6:31.3 - 6:47.4	No, I have not consider that. I consider the board as just to put (them).	
24	6:47.4 - 7:09.5	What about the cards inside the group. Say for example you have universe here. and there are quite a few next to each other and then you have ocean a bit further away. Do you think ocean is a bit more different than the ones next to universe? or?	SP
25	7:09.5 - 7:27.8	No - what I did, I wanted to group related to ideas under universe. That is all. So, one ocean is further from here (universe) I haven't consider that one.	

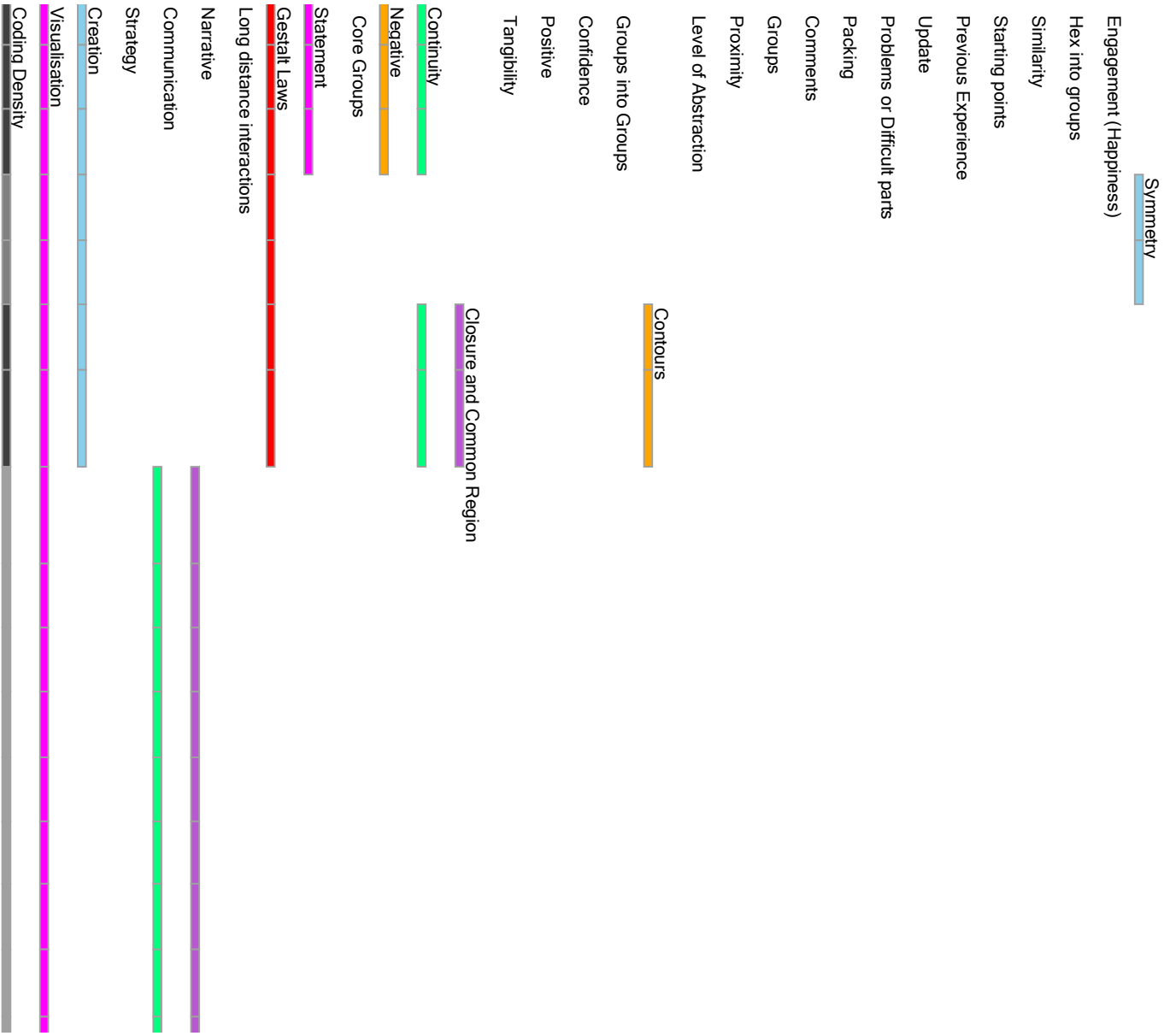


26	7:27.8 - 7:29.7	Is it because it did not fit (shape of group - perfect filled hex)?	SP
27	7:29.7 - 7:50.4	This is just random. Or I haven't considered the type. Whether the card is further or nearest that does not in my arrangements. That does not a thing less related or not.	
28	7:50.4 - 7:53.7	So, it is only if it fits into that group?	SP
29	7:53.7 - 8:31.0	Yes that it is all. In some groups that is true. In some groups if I considered here for instance community. I tried to under community - I tried to group plant and animals and then that is related to species and then I tried to group these things together. I some groups I considered that idea. Here is just under species we might consider gene to identify species. DNA and hormones. That is what i did (group on right hand side).	
30	8:31.0 - 8:36.7	So, you considered the whole group and some of them you considered the ones next to each other (tiles)?	SP
31	8:36.7 - 9:01.1	In some groups, I considered this criteria. In some of them I didn't. Here for instance in universe. I just put related ideas to the universe as all. But in this case (right hand group), I tried to put the one related - nearest the one (tile).	
32	9:01.1 - 9:13.2	So, you were thinking here about the ones just next to each other. Did you thought about one more level (separation)? Or was that too much?	SP
33	9:13.2 - 9:41.9	Species. Community you can find animal and plants and you might find different species of animals or plants. That is why I put species. And to identify or to differentiate species we might use gene so to know the gene we might use DNA or hormone.	
34	9:41.9 - 9:55.9	So it was only one neighbors? It was only one card next to each other? So when you were talking about genes and hormones. It was only that card? you never thought it also links to (two cards away)?	SP
35	9:55.9 - 9:58.7	To here - from here to this?	
36	9:58.7 - 10:11.7	Yes they are related because this one (1st card) here is related to this one (2nd card) - what I thought this one (3rd card) is related to this one (1st card).	
37	10:11.7 - 10:20.5	What about further away, like three cards away? you didn't thought about that?	SP
38	10:20.5 - 10:21.2	Which three cards you mean?	

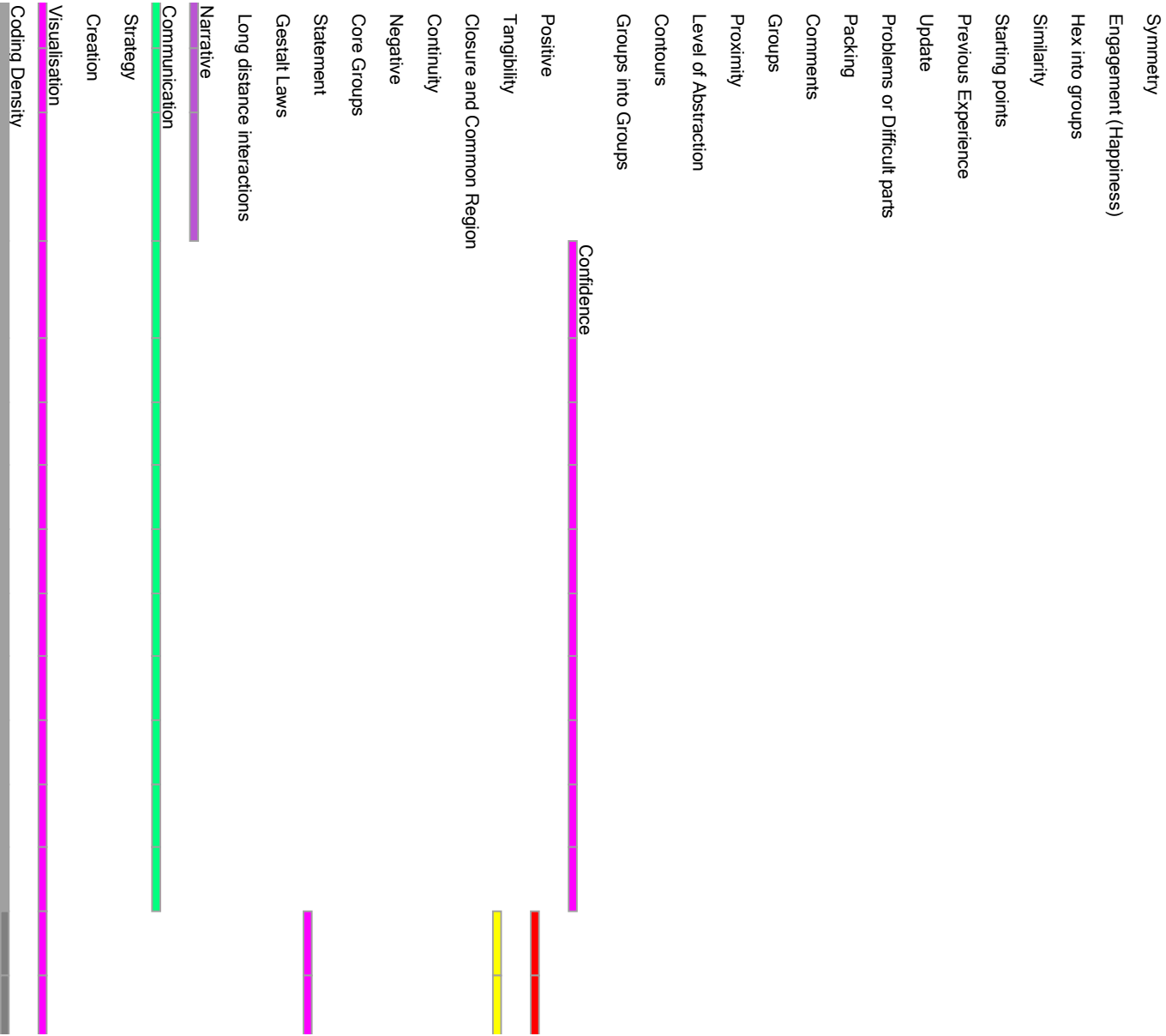




39	10:21.2 - 10:29.8	Like for example hormone links to gene and link to species. But this you thought one further apart? To plant.q	SP
40	10:29.8 - 10:50.4	Hormone and plant? yes what I thought was - if this and this are related (next to each other) and this and this are related (next to each other) - then I thought this and this (card not next to each other) are related.	
41	10:50.4 - 11:09.5	I was just wondering if you tried to do like a flow, or some smooth the whole chart or make it a little bit more constant? Or did you just thought this are the groups?	SP
42	11:09.5 - 11:11.7	Did you mean criteria?	
43	11:11.7 - 11:18.4	No - I mean how the chart actually looks?	SP
44	11:18.4 - 11:40.6	My grouping - I was considered which ones are related. So, I grouped the ones. the research ideas that are related.	
45	11:40.6 - 11:57.2	What about making the whole thing a bit more symmetrical? Well maybe I need to make it look similar from one side to the other one? or did...	SP
46	11:57.2 - 12:00.2	I didn't consider that one.	
47	12:00.2 - 12:18.7	What about the shapes of the groups? Did you thought I need to make them circular or very nice pack together? or was it more how they were connected?	SP
48	12:18.7 - 12:53.1	The shape depends on each group. So, the shape of this group is different from this group. I considered additional (different) criteria here as compared to this group. So, the shape is also dependent on the criteria we considered when grouping.	
49	12:53.1 - 13:21.7	Let me ask you about this group (group with narrative - right hand side). When you were doing this group, were you thinking of like a story when you were creating it? So, like you said you started with community and then you went down. Did you thought well I need to explain this so I will create some kind of story or narrative to it?	SP
50	13:21.7 - 13:35.9	Looks like a story to me because I consider which is related to this and which one is group under this like that.	
51	13:35.9 - 13:40.3	What about the other groups?	SP
52	13:40.3 - 14:12.7	Yes - the other groups - there is no - for instance - related ideas - I put under technology these all are related so I pick the research idea technology and put all the related ones - that is all.	



53	14:12.7 - 14:22.4	But here, I tried to consider what is under each idea. This is what I did.	
54	14:22.4 - 14:33.9	What about a story for the whole overview? Well I can explain it like this (shows all)	SP
55	14:33.9 - 14:59.9	In my opinion - yes I can explain for instance here the public and service we have this one. Policy we have this one (another group). I can explain like that (group by group).	
56	14:59.9 - 15:13.4	But when you were creating it did you thought about that? When you were building the whole chart, I'm going to put the groups like this and I can explain like a whole story?	SP
57	15:13.4 - 15:15.5	As the beginning - you mean?	
58	15:15.5 - 15:20.6	Yes when you were actually doing it?	SP
59	15:20.6 - 15:57.4	No - after creating the group - while creating the groups I was thinking what is related to which idea is related to this? That was the thing. After creating the group. I'm thinking how it can be explained it. That after creating the group. But while creating the groups, I was thinking which one (cards) were related to each other. So that is what I did.	
60	15:57.4 - 16:21.5	What if you needed to explained to someone else? Did you feel confident, say for example you go away today and someone ask you like can you explain what the whole research was about. From all these ideas? could you explain it to someone else? or would you remember the ideas?	SP
61	16:21.5 - 16:26.3	The whole one? for each group?	
62	16:26.3 - 16:31.8	Yes - Do you think you can explain someone the whole chart? Or ...	SP
63	16:31.8 - 16:38.5	Yes - In my opinion I could explain it.	
64	16:38.5 - 16:47.9	Would you remember? what part would you remember? Would you remember all of it?	SP
65	16:47.9 - 16:50.7	Without seeing any of it?	



66	16:50.7 - 16:52.4	yes without seeing it.	SP
67	16:52.4 - 16:56.0	I could remember some of these some not. not all.	
68	16:56.0 - 17:00.4	Do you think you could remember the groups?	SP
69	17:00.4 - 17:18.9	In my opinion, I can easily remember the theme of the group. For instance here technology .Universe and it.	
70	17:18.9 - 17:29.7	What about the experiment, did you actually like the cards? having the physical cards.	SP
71	17:29.7 - 17:31.3	You mean the shape of the cards?	
72	17:31.3 - 17:38.7	yes - I mean the shape and also the material of it - having them on cards.	SP
73	17:38.7 - 18:00.1	Yes it is very nice. Particularly I like the shape of the card as it is easy to put the ideas together and group them - it is very good.	
74	18:00.1 - 18:16.9	What if I come up with - I have the same experiment in an iPad. Would that be better?	SP
75	18:16.9 - 18:40.9	For me, this one is better (actual cards). I'm much interested in physical objects. So, this one is better for me.	
76	18:40.9 - 19:01.4	Say I forgot to give you 4 cards. Do you think you can place them? Can you place them? how would you update the chart?	SP
77	19:01.4 - 19:50.3	(places cards groups)	
78	19:50.3 - 19:55.5	So, you are just adding them to the main groups?	SP
79	19:55.5 - 20:23.0	yes - this one social, public service. This one is culture.	
80	20:23.0 - 20:36.3	How much experience you have in visualizations? do you normally work with 2D or 3D graphics and visualizations?	SP

Symmetry

Engagement (Happiness)

Hex into groups

Similarity

Starting points

Update

Previous Experience

Problems or Difficult parts

Packing

Comments

Groups

Proximity

Level of Abstraction

Contours

Groups into Groups

Confidence



Closure and Common Region

Continuity

Negative

Core Groups



Gestalt Laws

Long distance interactions

Narrative

Communication

Strategy

Creation



81	20:36.3 - 20:50.7	Yes. we usually use graphs when we teach mathematics.	
82	20:50.7 - 21:03.5	What about layouts and that? layouts for magazines and web pages?	SP
83	21:03.5 - 21:16.2	No - we do graphs and teaching them.	

Symmetry  
Engagement (Happiness)  
Hex into groups  
Similarity  
Starting points  
Previous Experience  
Update  
Problems or Difficult parts  
Packing  
Comments  
Groups  
Proximity  
Level of Abstraction  
Contours  
Groups into Groups  
Confidence  
Positive  
Tangibility  
Closure and Common Region  
Continuity  
Negative  
Core Groups  
Statement  
Gestalt Laws  
Long distance interactions  
Narrative  
Communication  
Strategy  
Creation  
Visualisation  
Coding Density