



Dedoose, Dove Tail, and Quirkos

Dawn Park, Chris Lugo, Teresa Ngo



Dedoose - About

- Can be accessed online or through a desktop app
 - Internet browser might be laggy. Requires Flash to use
 - Using desktop app is recommended
- You will need to set up a Dedoose account to access interface
- Comes with a 1-month long free trial. Will start charging a fee after trial is over.
- Large group (6+ users)/Student: \$10.95 per month.

The screenshot displays the Dedoose web interface for a project named "Dawn's Pillar Demo Project". The interface is divided into several panels:

- Users:** Shows 1 user.
- Media:** Shows 35 items, including documents like "Peter Hull CODING.docx" and "George Salim Interview".
- Codes:** Shows 36 codes, with a list of 9 codes including "5: Leverage Resources & Technology" and "1: Resilience: Responsibilities, Roles, and...".
- Media Table:** A table listing media items with columns for Type, Title, Added, and User.
- Excerpts:** Shows 959 excerpts, with a preview of text from a document.
- Descriptor Ratios Multi Chart:** A circular chart showing the distribution of codes across different descriptor sets.

Dedoose - About

- Great for coding interview transcripts and other articles related to our project
- Imports any kind of media file for coding.
 - This includes text documents, video files, audio files, images, and other Dedoose projects.
- Can visualize data analysis from coding excerpts. This includes qualitative data visuals that can be exported into spreadsheets and pdfs.
- Projects can be shared with other Dedoose users and groups

The image shows the 'Import Data' interface of the Dedoose application. It features several options for importing data:

- Import Spreadsheet:** Import a survey or spreadsheet into the current Dedoose project. Please ensure the first row contains short column names. Review the user guide for further details.
- Create a Blank Document:** Create a blank document that you can use to copy and paste content into or to type directly into Dedoose.
- Import Text:** Import document(s) (doc, docx, rtf, txt, htm, or html). For documents that contain tables, you may want the PDF importer instead.
- Import PDFs:** Import pdf documents or documents that will be converted to PDF and imported.
- Import Images:** Import image(s) (jpg, png, bmp, gif).
- Import Video:** Import a mp4 video file. Each account includes up to 30 minutes free of video. Beyond that, your account will be charged \$0.25 per month per hour of video stored.
- Import Audio:** Import a mp3, wav, m4a, or wma audio file. Each account includes up to 1 hour of audio free. Beyond that, your account will be charged \$0.05 per month per hour stored.
- Import Project:** Import a Dedoose Project export into the current project.

Below the import options is the Dedoose logo and a navigation bar. The main interface shows a 'Client Selector' on the left with a list of clients, and a central area displaying a visualization of coding excerpts. The visualization shows a list of excerpts with their corresponding codes:

- 10: Empowerm...
- 5: Leverage ...
- 1: Resilienc...
- 9: Constant ...
- 8: Neutraliz...
- 6: Implement...
- 7: Enlist Gu...
- 2: Engage Pa...
- 4: Integrate...

Pillar Application Chart

Media	Codes									Totals	
	10: Empowerment & Endurance	1: Resilience Responsibilities,	2: Engage Partners	3: Share Intelligence & Information	4: Integrate Intelligence, Plans,	5: Leverage Resources &	6: Implement Best Practices &	7: Enlist Guardians	8: Neutralize Negative Mindsets		9: Constant Communications
William Flynn CODING.docx	2	7	15	25	7	11	9	8	1	8	93
Travis Gross CODING.docx	4	7	7	9	4	2	7	4	1	3	48
Stephan Kramer CODING.docx	2	11	10	7		5	3	1		17	56
Salam Al-Marayati CODING.docx	2	2	14	10	1	4	2	7	2	3	47
Saad Amrani CODING.docx	1	5	15	8	5	2	5	9	2	7	59
Russ Deyo CODING.docx	4	5	12	11	6	6	12	7	2	11	76
Roger Parino CODING.docx	2	7	8	10	11		9	1	6	4	58
Robert Lake CODING.docx	8	5	11	10	17	9	21	5	7	12	105
Rabbi Francoise Roston		9	15	11	6	6	15	6	2	9	79
Peter Hull CODING.docx	1		5	7	4	4	4	3	6	3	38
Paul Goldenberg CODING.docx	2	9	13	8	10	3	17	5	3	3	73
Oussama Jammal CODING.docx	4	4	14	13	11	8	10	8	5	9	86
Nate Snyder CODING.docx	1		4	3	3	2	4	3		2	22
Michael Masters CODING.docx	7	4	6	5	9	9	6	7	5	2	60
Mary Marr CODING.docx	8	8	18	12	9	3	17	7	4	12	98
Malcolm Hoenlein CODING.docx	4	1	3	3	3	4	6	1	4	3	32
Kona Zoganas CODING.docx	7		8	17	15	14	14	3	3	10	91
Kevin Smith CODING.docx	2	8	10	5	4	4	3	4	1	3	44
Jonathan Fischer CODING.docx	5	9	9	11	3	5	6	4	4	4	60
Jonathan Biermann CODING.docx	3	10	11	22	20	10	24	5	12		117
John Farmer CODING.docx	10	3	14	10	12	12	15	7	7	9	99
Jim Hartnett CODING.docx	2	5	10	12	16	8	14	4		7	78
Jeh Johnson CODING.docx	2	12	6	6	3	3	7	2	2	5	48
Jeff Ringel CODING.docx	5	8	8	10	3	1	14	5	11	7	72
George Salim Interview	2	6	8	4	8	5	4	5	4	2	48
Dr. Ali Chaudry CODING.docx	2	6	12	13	3	9	5	4	1	6	61
Brian Dykstra CODING.docx		3	5	1	3	7	12	2	1	1	35
Brad Orsini CODING.docx	7	5	20	20	13	7	16	7	4	8	107
Bob Liscouski CODING.docx	1	10	6	6	11	2	6	3	3	7	55
Andy Jabbour CODING.docx		8	16	16	15	12	9	4	2	12	94
Ali Soufan CODING.docx	1	2	9	7	5	8	9	8	2	3	54
Totals	99	170	323	315	247	180	307	152	105	195	

- These charts show how many times each pillar was mentioned by every interviewee
- It also shows the total number of times each interviewee mentions a pillar and the total number of times each pillar was mentioned.
 - Please note that the results here aren't 100% accurate to our actual results

Pillar Co-Occurance

Codes	10: Empowerment & Endurance	1: Resilience: Responsibilities,	2: Engage Partners	3: Share Intelligence & Information	4: Integrate Intelligence, Plans,	5: Leverage Resources &	6: Implement Best Practices &	7: Enlist Guardians	8: Neutralize Negative Mindsets	9: Constant Communications	Totals
10: Empowerment & Endurance	23	35	33	37	22	43	17	15	21	246	
1: Resilience: Responsibilities,	23	56	34	39	16	55	23	14	21	281	
2: Engage Partners	35	56	148	67	73	85	116	12	97	689	
3: Share Intelligence & Information	33	34	148	83	49	95	53	24	135	654	
4: Integrate Intelligence, Plans,	37	39	67	83	36	168	23	25	38	516	
5: Leverage Resources &	22	16	73	49	36	42	52	9	22	321	
6: Implement Best Practices &	43	55	85	95	168	42	34	26	51	599	
7: Enlist Guardians	17	23	116	53	23	52	34	9	30	357	
8: Neutralize Negative Mindsets	15	14	12	24	25	9	26	9	10	144	
9: Constant Communications	21	21	97	135	38	22	51	30	10	425	
Totals	246	281	689	654	516	321	599	357	144	425	

- This chart shows how many times each pillar coexists with another pillar, which is determined by each excerpt with more than one code
- The top 4 pairs of pillars that co-exist together :
 - Pillars 4 and 6 with 168 mentions
 - Pillars 2 and 3 with 148 mentions
 - Pillars 3 and 9 with 135 mentions
 - Pillars 2 and 7 with 116 mentions
- It also appears that Pillar 2 has the greatest number of co-occurrences, 689, and Pillar 8 has the least number of co-occurrences, 144.



Significant Findings from Dedoose

- Pillar 2, “Engage Partners”, is the most mentioned pillar from all interviewees. It also has the greatest number of co-occurrences with other pillars.
 - This further indicates that it is the most important pillar of the R.E.S.I.L.I.E.N.C.E model
 - On the other hand, Pillar 8, “Neutralize Negative Mindsets”, has the least number of co-occurrences with other pillars. This might indicate that it is a stand-alone pillar.
- The following pair of pillars are highly correlated to each other, which shows that a combination of pillars can provide a stronger strategy for building resiliency:
 - Pillars 4 and 6 (Integrate plans and implement best practices)
 - Pillars 2 and 3 (Engage partners and share intelligence and information with them)
 - Pillars 3 and 9 (Share intelligence and information through constant communications)
 - Pillars 2 and 7 (There needs to be a bond between partners and guardians)



Dove Tail - About

- Great for coding interviews/transcripts but that's about all it's great for.
- Useable on almost any desktop web browser
 - Internet Explorer and Microsoft Edge have issues using it
- Has only four ways to visually represent the data:
 - Pie Chart
 - Bar Graph
 - Tree Map
 - Radar Plot
- You can change the metric in which the graphs use the data but there are only two good options: Highlight count (counts every time it was highlighted) and Note count (how many different documents the pillar is mentioned in)

Pictures from DoveTail

Mr. Ringel: 15:40

I do think that could provide value. Because if you see in a movie theatre or anywhere else. **You need to have somebody in charge when something is happening (1,6)**. I wouldn't do it for the whole congregation because people would freak out. But if you told your ushers this is part of your responsibility, here are your steps (1,7). If the ushers have walkie talkies between them so if they see something they can put out the alert(6,7). "Hey rear exit, we got a guy coming up, he looks kind of squirrely since, send some more people up here." When we know something's happening, they know how to lock down the doors and then where to direct people to get out, or what to tell people to do. Because again, people are just looking for direction (6,9). So yes, I think if you could construct and train your ushers on what to do in an emergency that's going to save lives. Both in the fire emergency, a medical emergency, and an active shooter emergency(1,10).

Resilience (1) 54

Implement ... 75

Resilience (1) 54

Enlist Guard... 40

Implement ... 75

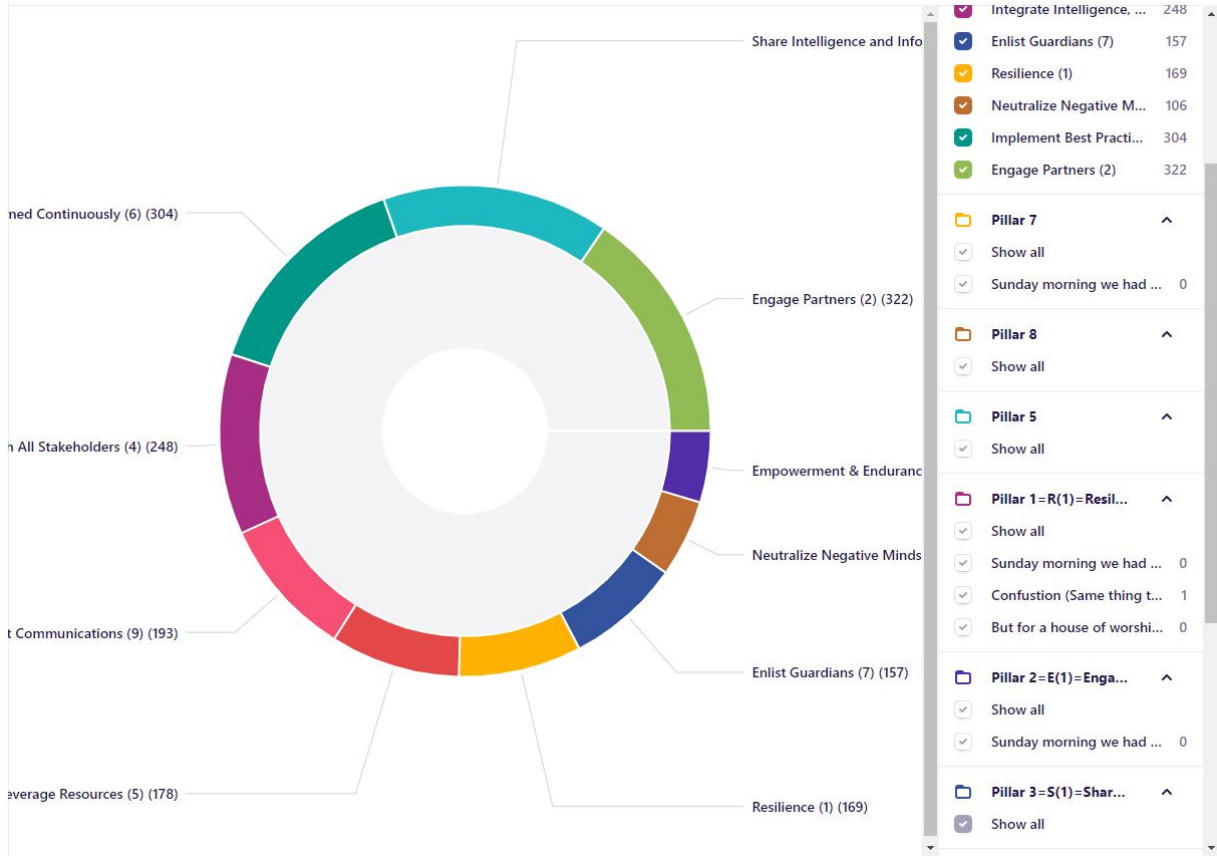
Enlist Guard... 40

Implement ... 75

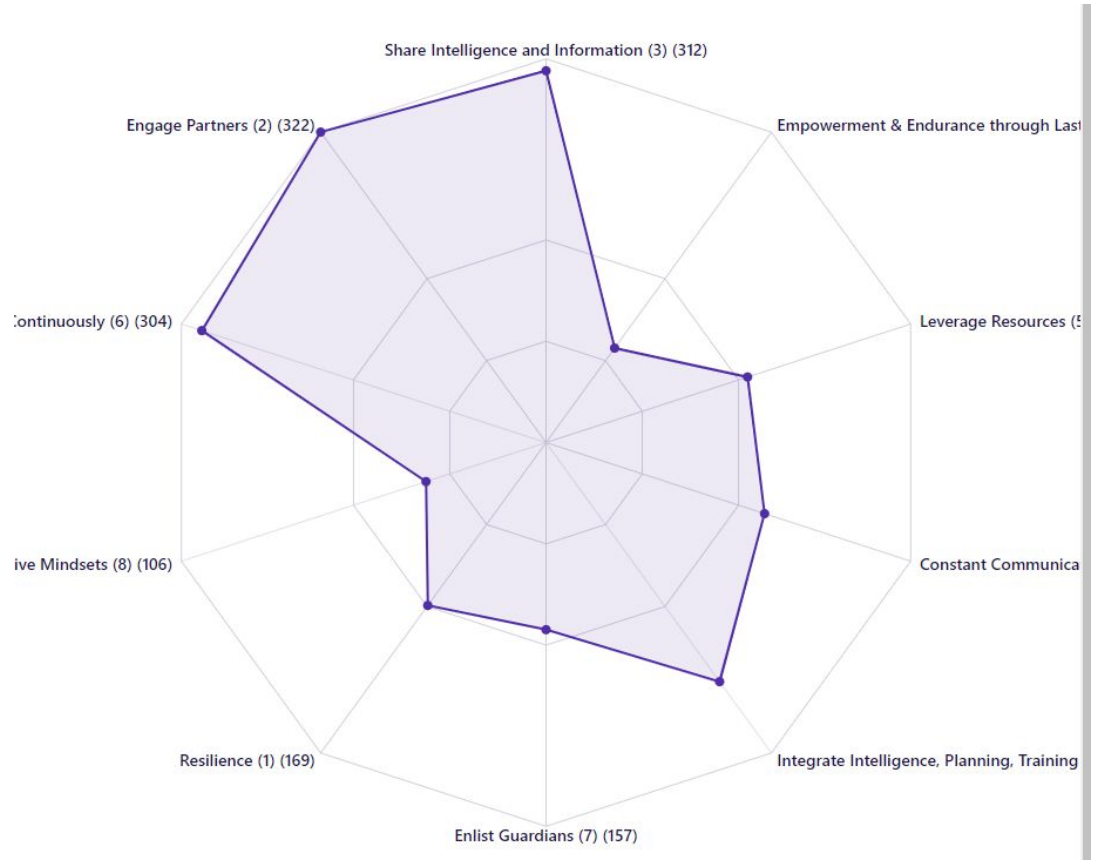
Constant Co... 46

Resilience (1) 54

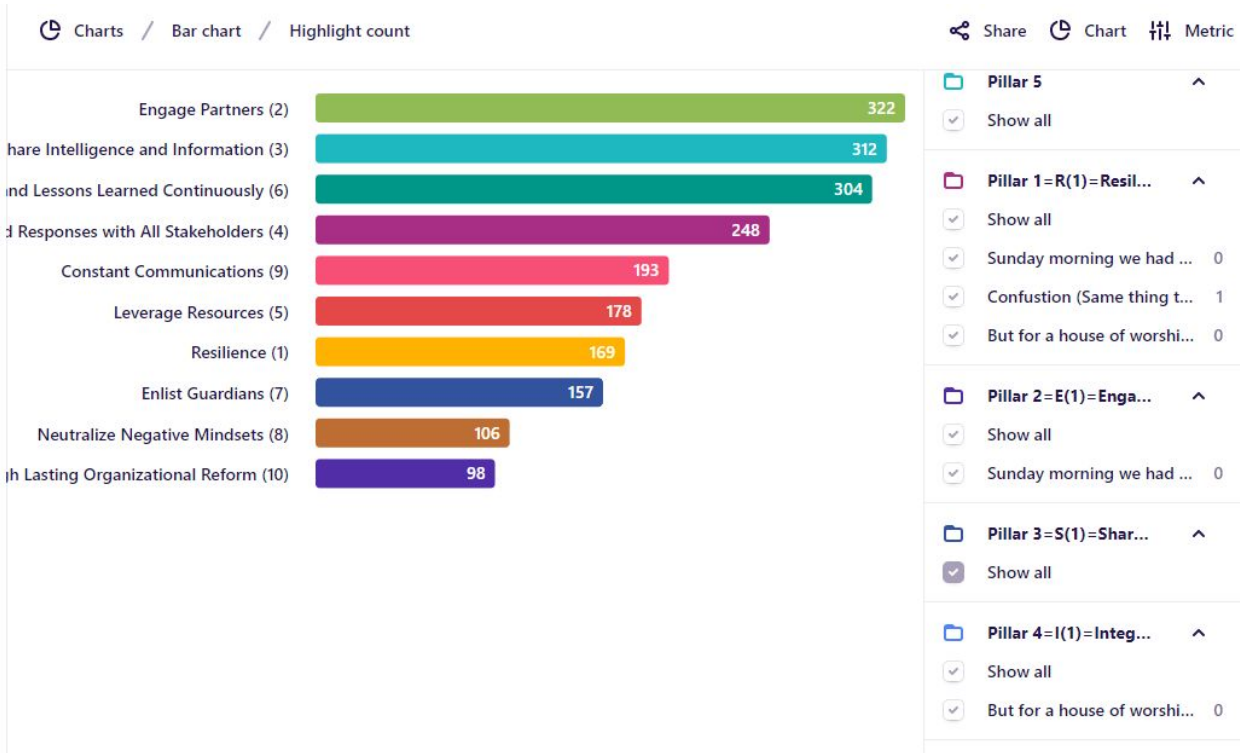
Empowerm... 16



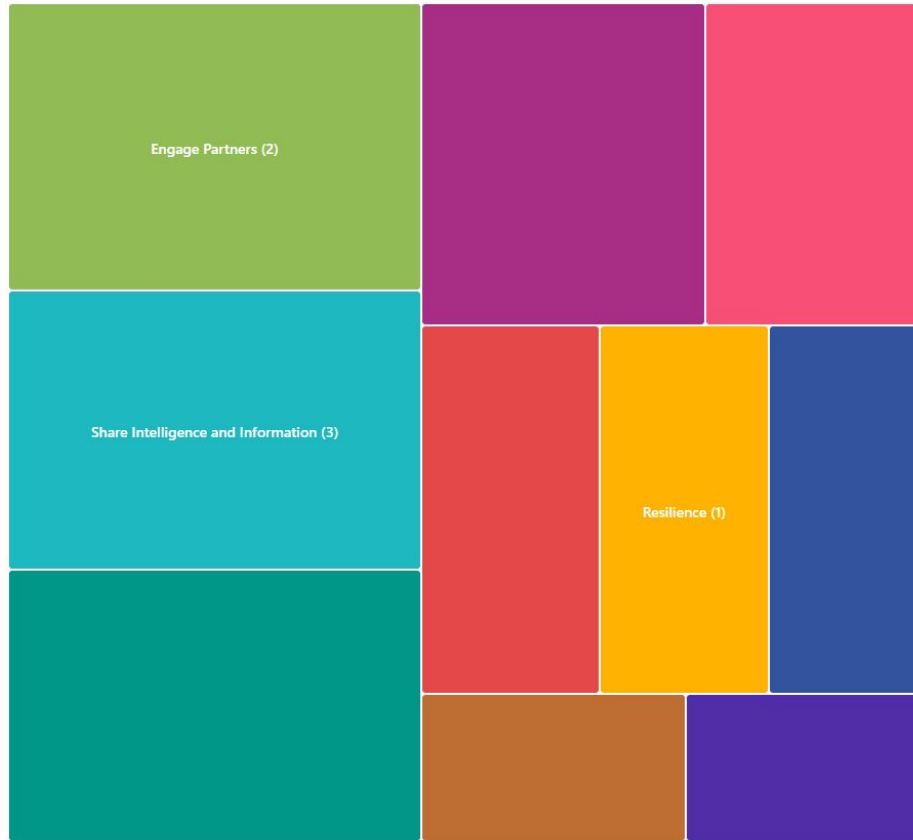
Pie Chart



Radar Plot



Bar Graph



Tree Map



Dove Tail - Findings

Findings:

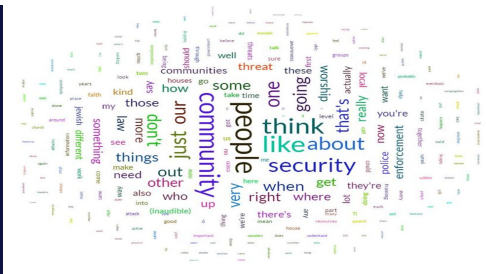
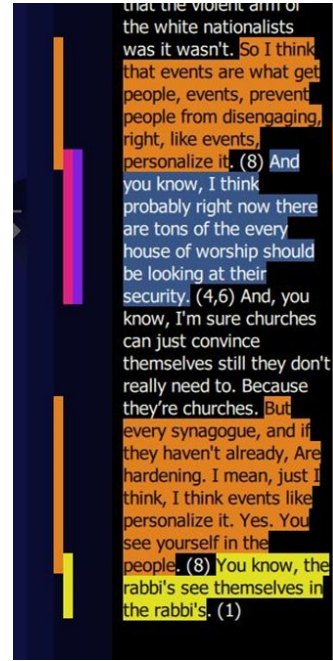
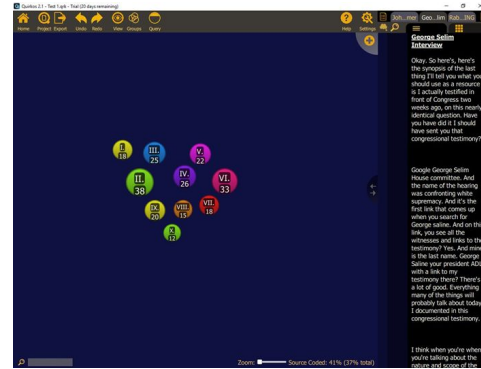
- In the 31 transcripts we have pillars 2, 3, 4, 5,6,7 were mentioned in every document. Pillars 10 was the lowest withit being mentioned in only 27 documents and pillars 1 and 8 were just above it being mentioned in 28 transcripts. Those pillars aren't thought of enough and need more attention.
- Dove Tail isn't good for much other than coding transcripts so if visualization is the goal I would suggest using other software. If coding and group work the goal this software is a good choice with a good price (20 dollars per year for 5 users)

Quirkos - About

It's a software that is great for coding transcripts, visualizing overlaps and connections, and creating Word Clouds.

We can export coded transcripts as reports or Word Documents (if needed).

However, besides overlaps and Word Clouds, there aren't many visualizations available. There is also no real-time collaboration, nor availability in working with timelines, audio, or video files.



Pillar	High Overlap	Low Overlap
1. Resilience	2. Engage partners (55) 6. Implement best practices (55)	8. Neutralize negative mindsets (14)
2. Engage partners	3. Share intel & info (148)	8. Neutralize negative mindsets (12)
3. Share intel & info	2. Engage partners (148)	8. Neutralize negative mindsets (22)
4. Integrate intelligence	6. Implement best practices (169)	8. Neutralize negative mindsets (22)
5. Leverage resources	2. Engage partners (71)	8. Neutralize negative mindsets (8)
6. Implement best practices	4. Integrate intelligence (169)	8. Neutralize negative mindsets (22)
7. Enlist guardians	2. Engage partners (115)	8. Neutralize negative mindsets (8)
8. Neutralize negative mindsets	3. Share intel & info (22) 4. Integrate intelligence (22) 6. Implement best practices (22)	5. Leverage resources (8) 7. Enlist guardians (8)
9. Constant communication	3. Share intel & info (132)	8. Neutralize negative mindsets (9)
10. Empowerment	6. Implement best practices (39)	8. Neutralize negative mindsets (14)



Significant Findings from Quirkos

- Pillar 8 (Neutralize Negative Mindsets) overlapped with the other pillars the least.
 - While important in RESILIENCE, it did not fit in with the other pillars and is more stand-alone. It was also mentioned the second fewest at 107.
- Pillars 2 and 3, as well as 4 and 6, overlapped with each other the most.
 - Engage Partners and Share Intelligence & Information are highly similar
 - Integrate Intelligence ... and Implement Best Practices are highly similar
- Pillar 2 (Engage Partners) and Pillar 6 (Implement Best Practices) were the highest overlaps in four pillars each. Pillar 3 (Share Intelligence & Information) was the highest overlap in three pillars.
 - All three pillars are the highest mentioned: Pillar 2 at 325, Pillar 3 at 314, and Pillar 6 at 307.
 - Because they are the highest mentioned, they overlap the most with the other pillars and are probably the most important of the ten.
- As shown in the Word Cloud on the previous page, the words “people,” “community,” “think,” and “security” show up the most often in all 31 interviews.



Collaborative Findings

- From all our findings, the top 3 pillars with the most tally counts are Pillars 2, 3, and 6.
 - Additionally, all three frequently overlap each other along with Pillar 4
- Pillar 2 has the greatest number of co-occurrences and overlaps out of all the pillars.
- Pillar 8 has one of the lowest numbers of occurrences as well as the lowest number of co-occurrences.



What does this mean?

- Pillar 2, “Engage Partners” is indeed the most important pillar of the R.E.S.I.L.I.E.N.C.E. model, along with Pillar 3 “Share Information and Intelligence” and Pillar 6 “Implementing Best Practices”.
- Because of their overlaps, it shows that “Engaging Partners,” “Sharing Information and Intelligence,” and “Implementing Best Practices” should be carried throughout all 10 pillars of the R.E.S.I.L.I.E.N.C.E. model. They are not stand-alone and instead work together with all the other pillars to build resilience. Visualizations should show how all these pillars interact and flow into each other, rather than being separate.
- Pillar 8, because of how it rarely co-occurs and how infrequently it was mentioned, is more stand-alone. Either this isn’t as important or isn’t being thought of or noticed as much as the others.



What can we do moving forward?

- Analyze further into the correlations of each pillar of the R.E.S.I.L.I.E.N.C.E model and how it can provide a stronger strategy for best practices.
 - Especially for Pillars 2, 3, and 6!
- Look into other visualization software that can represent the data and can be used for coding in the for the next rounds of interviews.