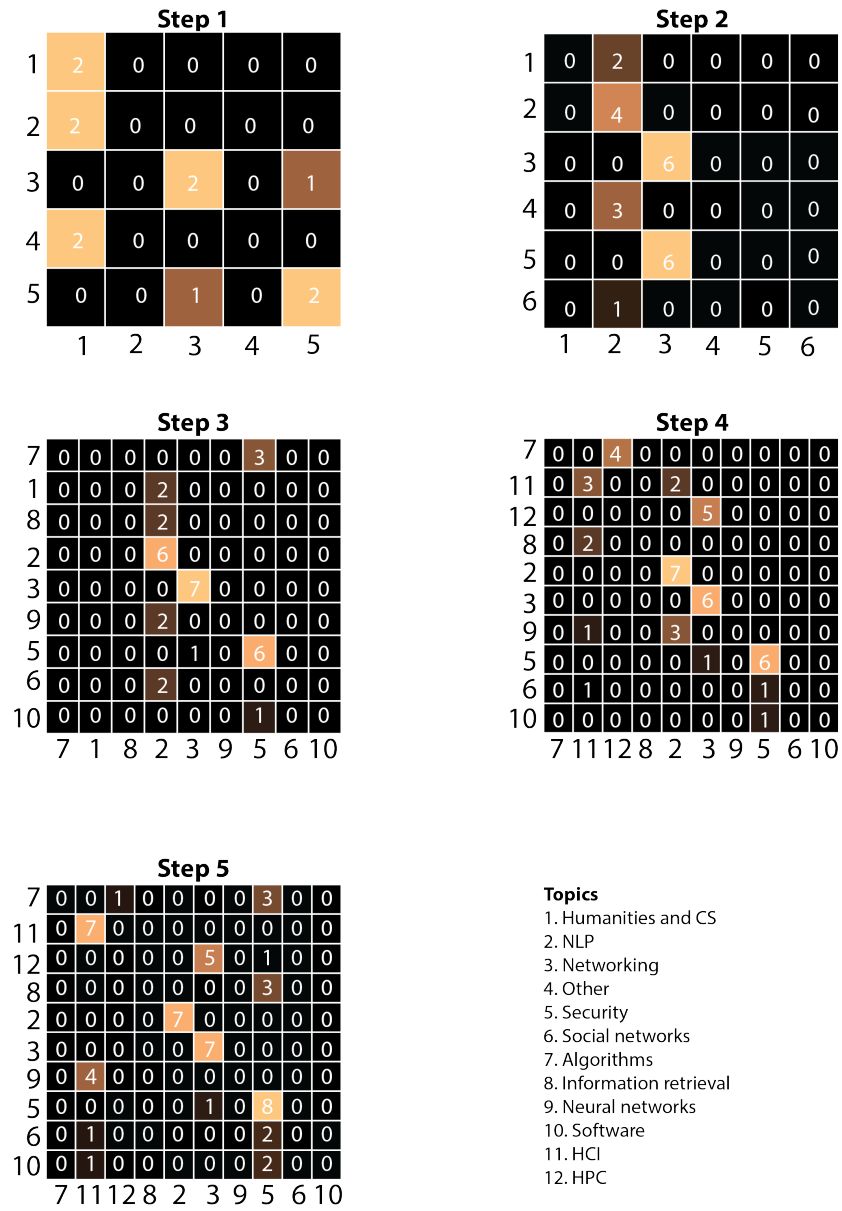


2 **1 SUPPLEMENTARY FIGURES****Figure 1.** User Study 6.

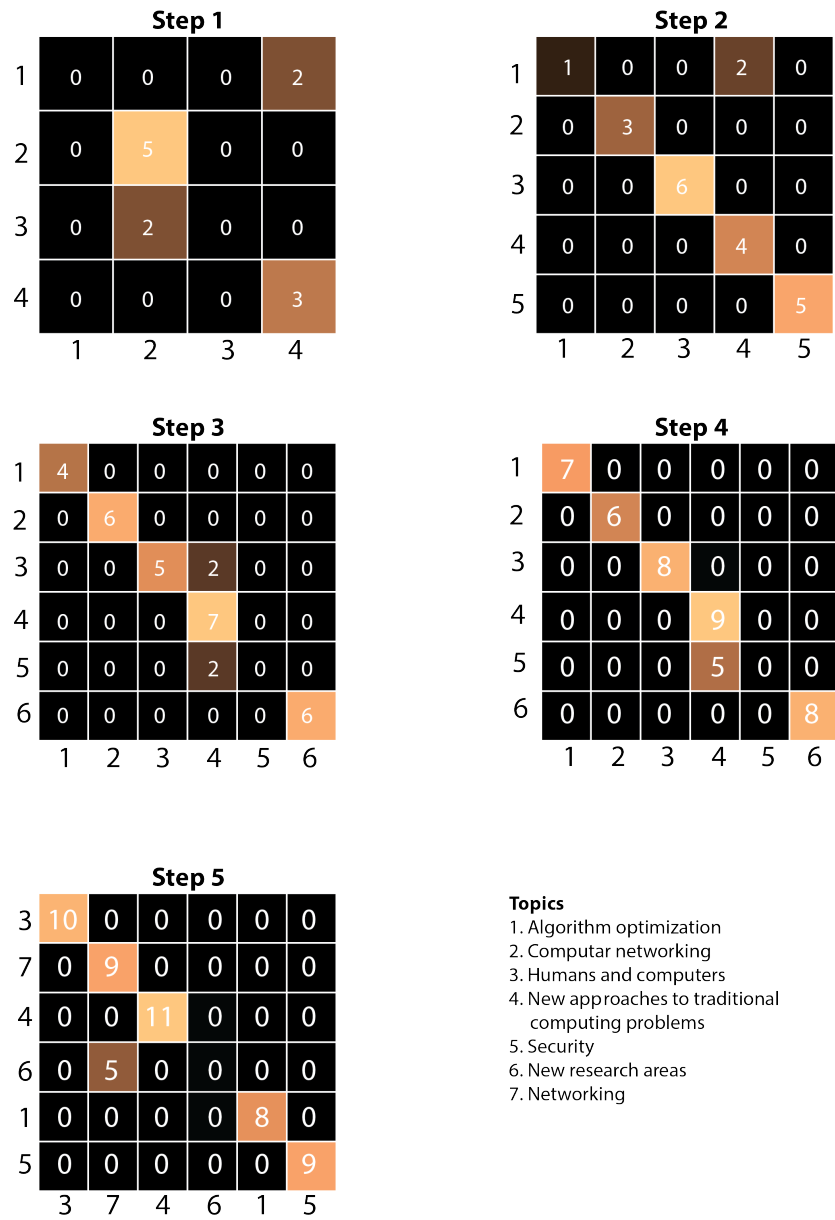


Figure 2. User Study 7.

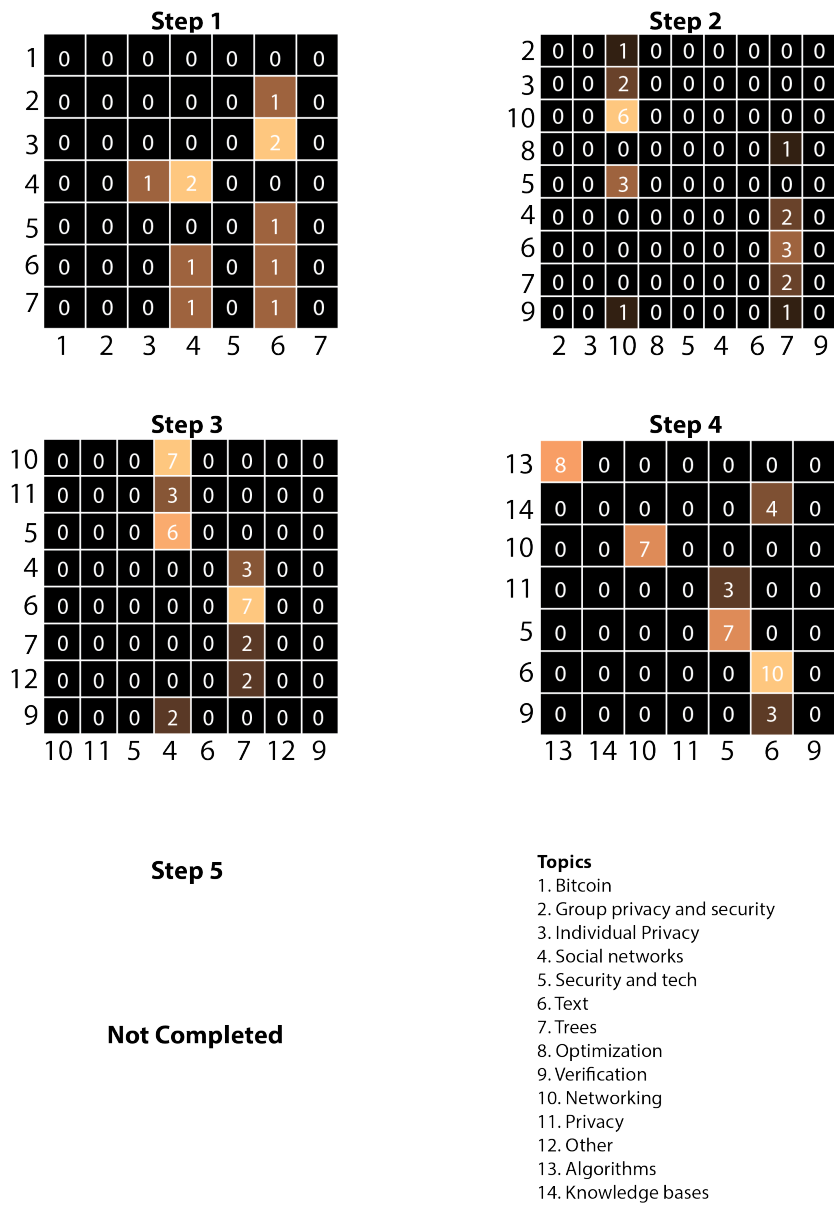


Figure 3. User Study 8.

Step 1

1	2	1	0
2	1	4	0
3	0	4	0
	1	2	3

Step 2

1	6	0	0	0	0	0
3	0	6	0	0	0	0
4	0	0	0	1	0	0
5	0	0	0	2	0	0
6	0	2	0	0	0	0
2	1	0	0	0	0	4
	1	3	4	5	6	2

Step 3

1	0	0	0	0	2	0	0
3	0	8	0	0	0	0	0
4	0	0	8	0	0	0	0
5	0	0	0	0	2	0	0
6	0	0	0	0	5	0	0
2	0	0	2	0	0	0	0
7	0	1	3	0	1	0	0
	1	3	4	5	6	2	7

Step 4

1	0	0	0	0	7	0	0	0
3	0	8	0	0	0	0	0	0
4	0	0	8	0	0	0	0	0
5	0	0	0	0	3	0	0	0
6	0	0	0	0	7	0	0	0
2	0	0	3	0	0	0	0	0
7	3	1	1	0	0	0	0	0
8	0	0	0	0	0	0	0	2
	1	3	4	5	6	2	7	8

Step 5

1	0	0	0	0	0	7	0	0	0
3	0	0	0	0	0	2	0	0	0
4	0	0	8	0	0	0	0	0	0
5	0	0	0	9	0	0	0	0	0
6	0	0	0	0	0	4	0	0	0
2	0	0	0	0	0	8	0	0	0
7	0	0	0	4	0	0	0	0	0
8	0	0	0	1	0	0	0	6	0
9	0	0	0	0	0	3	0	0	0
	1	3	4	5	6	2	7	8	9

- Topics**
1. NLP
 2. Networking
 3. Security
 4. Algorithms and networks
 5. Algorithms
 6. Computation
 7. Deep Learning
 8. Systems
 9. HCI

Figure 4. Use Study 9.

Step 1

1	0	1	0	0	0
2	0	1	0	1	0
3	0	2	0	0	0
4	0	1	1	0	0
5	0	2	0	0	0
	1	2	3	4	5

Step 2

1	4	1	0	0	0	0
2	0	4	0	0	0	0
3	0	2	0	0	0	0
4	0	0	0	0	0	2
5	0	2	0	0	0	0
6	0	0	0	0	0	5
	1	2	3	4	5	6

Step 3

1	0	0	0	0	2	0
2	0	7	0	0	0	0
3	0	0	6	0	0	0
4	0	3	0	0	0	0
5	0	0	0	0	6	0
6	0	0	0	0	0	6
	1	2	3	4	5	6

Step 4

1	7	0	0	0	0
2	0	10	0	0	0
3	3	2	0	0	0
5	0	0	0	12	0
6	0	0	0	0	6
	1	2	3	5	6

Step 5

1	9	0	0	0	0
2	0	12	0	0	0
3	0	4	4	0	0
5	0	0	0	17	0
6	0	0	0	3	3
	1	2	3	5	6

- Topics**
1. Data mining
 2. HCI
 3. Networking
 4. Software eng. / networking
 5. Software eng.
 6. AI / Data Science

Figure 5. User Study 10.

Step 1

1	3	0	0	0	0
2	0	0	0	0	1
3	1	0	0	0	0
4	1	0	0	0	0
5	3	0	0	0	0
	1	2	3	4	5

Step 2

6	0	0	0	3	0	0
1	0	3	0	0	0	0
2	1	0	0	0	0	0
7	0	0	0	6	0	0
3	0	0	0	0	4	0
5	0	0	0	0	0	3
	6	1	2	7	3	5

Step 3

6	1	0	0	4	0	0
1	0	3	0	0	0	0
2	0	0	1	1	0	0
7	0	0	0	11	0	0
3	0	0	0	0	5	0
5	0	0	0	0	0	4
	6	1	2	7	3	5

Step 4

6	6	0	0	1	0	0
1	0	3	0	0	0	0
2	0	0	0	2	0	0
7	0	0	0	14	0	0
3	0	0	0	0	8	0
5	0	0	0	0	0	6

Step 5

6	9	0	0	0	0	0	0	0
1	0	3	0	0	0	0	0	0
2	0	0	1	0	0	0	0	1
7	0	0	0	16	0	0	0	0
3	0	0	0	0	5	0	0	0
5	0	0	0	0	0	4	0	0
8	0	0	0	0	0	0	7	0
9	0	0	0	0	0	0	0	6
	6	1	2	7	3	5	8	9

- Topics**
1. Applications
 2. Data
 3. Miscellaneous
 4. Network science
 5. Tools
 6. Algorithms
 7. ML
 8. Networking
 9. Security

Figure 6. User Study 11.

Step 1

1	0	0	0	0	0	1
2	0	0	0	0	0	2
3	0	0	0	0	0	2
4	0	0	0	0	0	1
5	0	0	0	0	0	1
6	0	0	0	0	0	2
	1	2	3	4	5	6

Step 2

2	0	0	0	0	0	0	0	2	0
7	0	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	2	0
4	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	2	0
9	0	0	0	0	0	1	0	3	0
5	0	0	0	0	0	0	0	1	0
6	0	0	0	0	0	0	0	5	0
10	0	0	0	0	0	0	0	0	2
	2	7	3	4	8	9	5	6	10

Step 3

2	0	0	0	0	0	0	0	0	3	0	
7	0	3	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	2	0	
4	0	0	0	0	0	0	0	0	0	1	
8	0	2	0	0	0	0	0	0	1	0	
9	0	1	0	0	0	0	0	0	0	0	
5	1	0	0	0	0	1	0	0	4	0	
6	0	0	0	0	0	0	0	0	1	0	
10	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	7	0	
12	0	0	0	0	0	0	0	0	0	2	
	2	7	3	4	8	9	5	6	10	11	12

Step 4

2	0	0	0	0	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	3	0
3	0	0	5	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	2	0
8	0	0	0	0	2	0	0	0	0	0	0
9	0	0	2	0	0	4	0	0	0	0	0
5	0	0	1	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	5	0	0	0	0
10	0	0	0	0	0	0	0	0	1	0	0
11	0	0	0	0	0	0	0	0	0	12	0
12	0	0	0	0	0	0	0	0	0	0	2
	2	7	3	4	8	9	5	6	10	11	12

Step 5

2	0	0	0	4	0	0	0	0	0	0
7	0	6	0	0	0	0	0	0	0	0
3	0	0	0	2	0	0	0	0	0	0
4	0	0	0	5	0	0	0	0	0	0
8	0	0	0	0	8	0	0	0	0	0
9	0	2	0	0	2	0	0	0	0	0
5	0	0	0	0	0	6	0	0	0	0
6	0	0	0	0	0	0	0	1	0	0
10	0	0	0	0	0	0	0	14	0	0
11	0	0	0	0	0	0	0	0	2	0
	2	7	3	4	8	9	5	6	10	11

Topics

1. Children and CS education
2. Communication
3. Data
4. Humans and the environment
5. Scientific research
6. Testing and optimization
7. Computer algorithms
8. Information security
9. Machine Learning
10. Wearable tech
11. Language
12. Tech and crime

Figure 7. User Study 12.

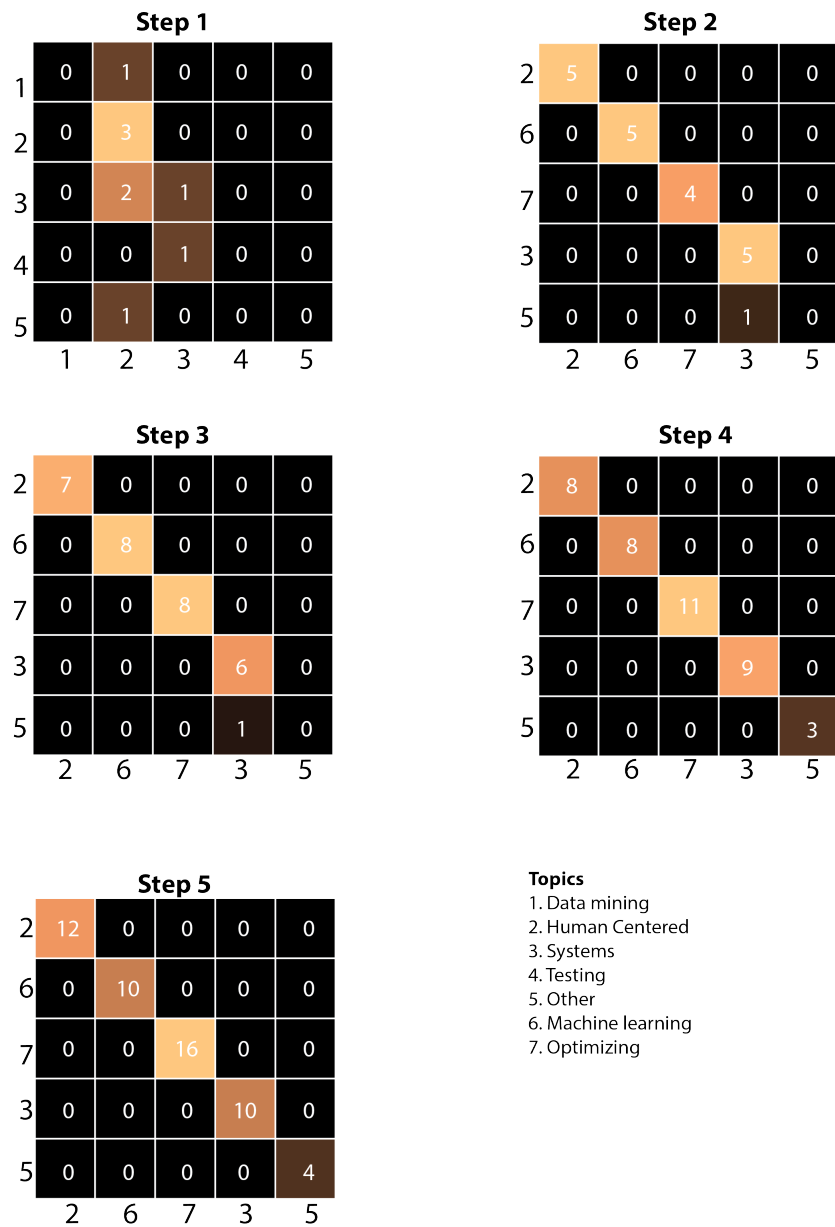
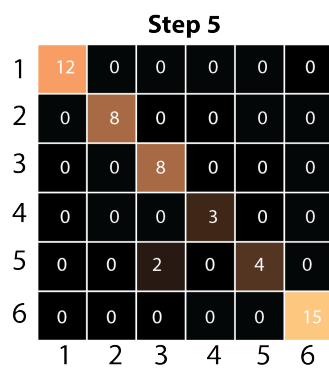
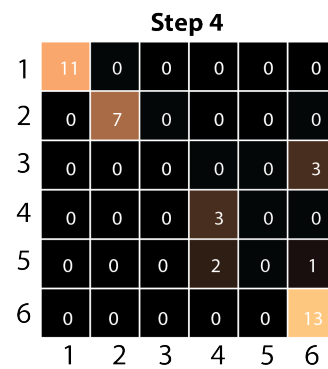
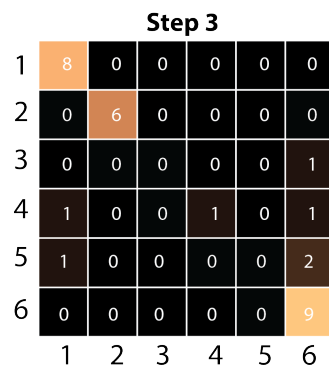
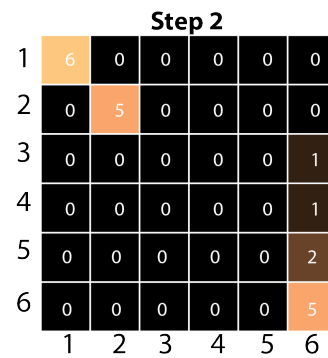
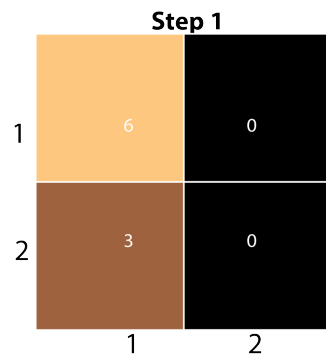


Figure 8. User Study 13.



- Topics**
1. General Software
 2. Human Related
 3. IT related
 4. Unknown
 5. Algorithms
 6. Strategy

Figure 9. User Study 14.