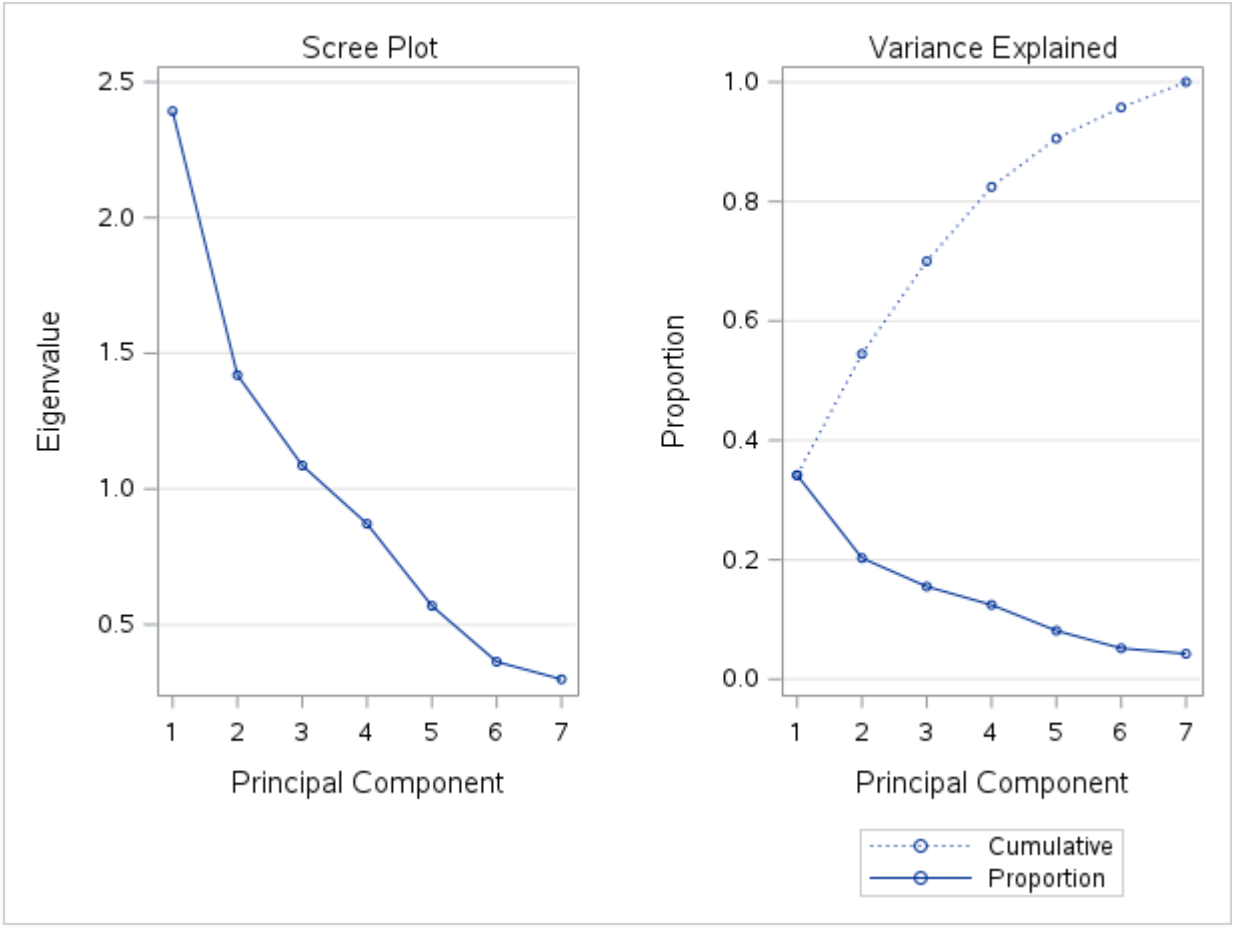
Observations	42
Variables	7

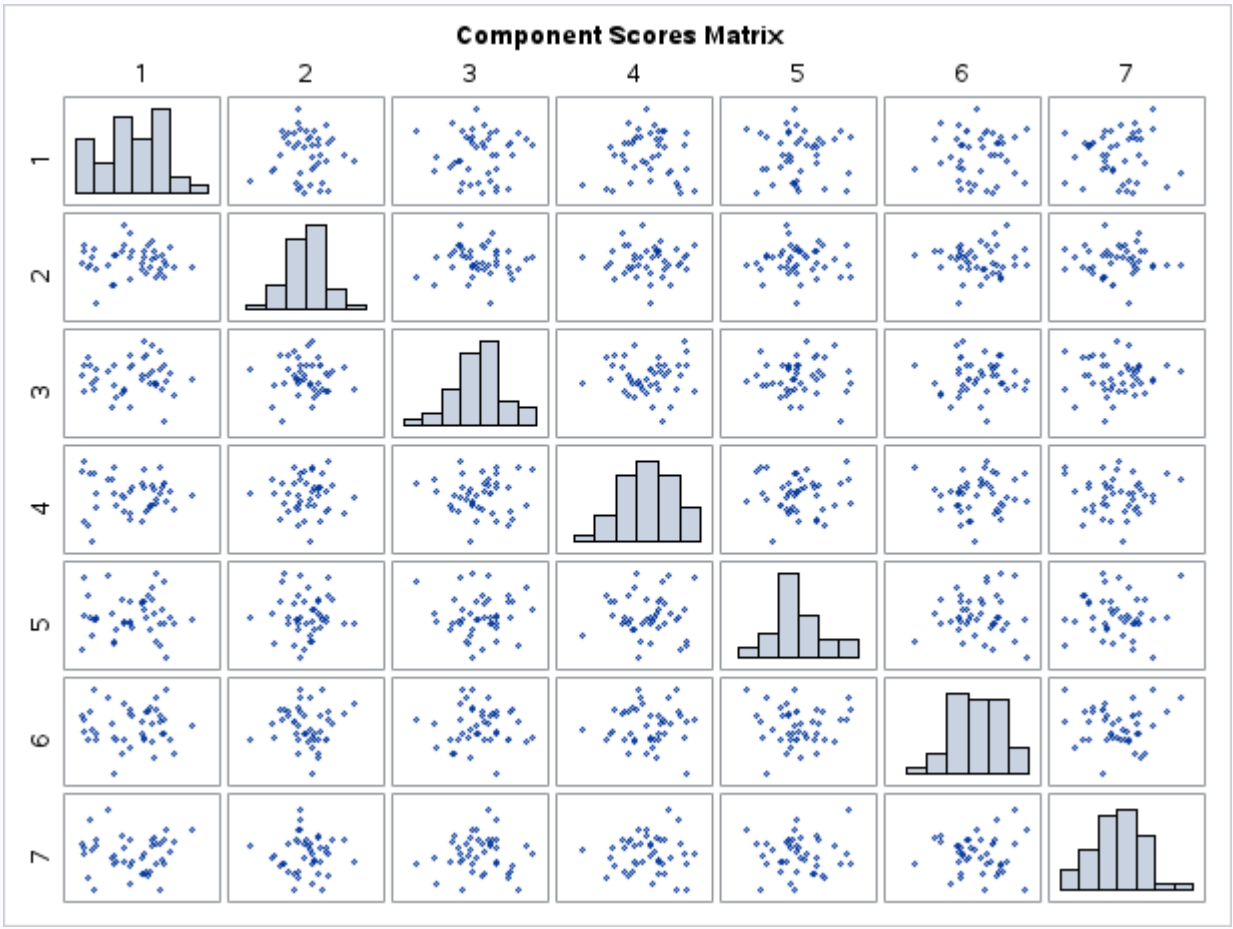
Simple Statistics							
	Q1_Explore	Q2_need_learn	Q3_syllabus	Q4_graphs	Q5_AI	Q6_discuss	Q7_share
Mean	4.928571429	4.976190476	4.952380952	4.857142857	5.547619048	5.642857143	4.714285714
StD	1.454896814	1.387893565	1.447493729	1.718925197	1.365112002	1.226166514	1.453099535

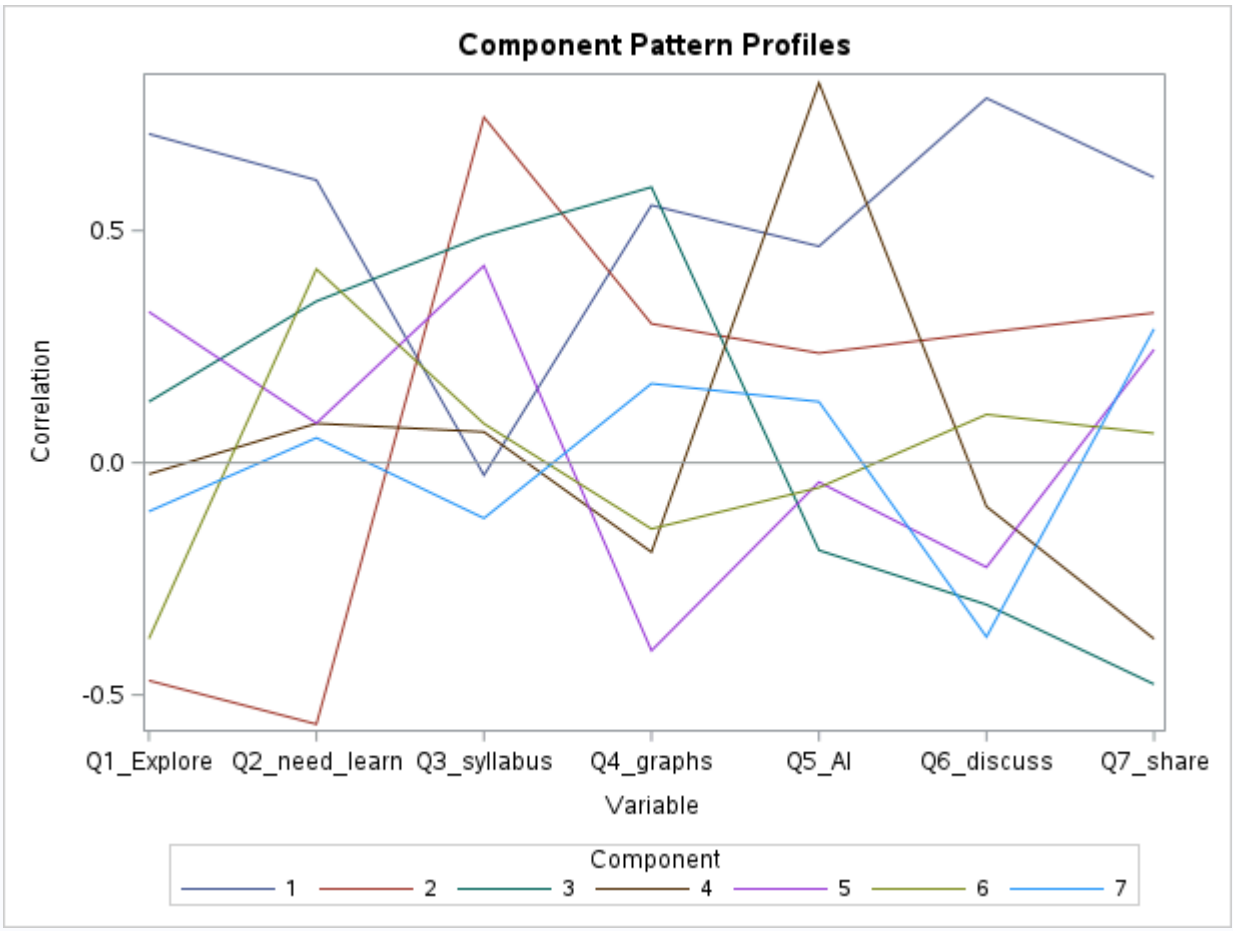
Correlation Matrix								
		Q1_Explore	Q2_need_learn	Q3_syllabus	Q4_graphs	Q5_AI	Q6_discuss	Q7_share
Q1_Explore	I like to explore topics beyond the syllabus	1.0000	0.6031	-.1870	0.2396	0.1675	0.3135	0.2555
Q2_need_learn	I only learn what is strictly necessary	0.6031	1.0000	-.1948	0.2746	0.1358	0.2099	0.0570
Q3_syllabus	I follow a strict study plan/syllabus	-.1870	-.1948	1.0000	0.2815	0.0876	-.0098	0.0398
Q4_graphs	I prefer using graphs and visual aids	0.2396	0.2746	0.2815	1.0000	0.1069	0.3687	0.1688
Q5_AI	I use AI tools to assist my learning	0.1675	0.1358	0.0876	0.1069	1.0000	0.3674	0.1669
Q6_discuss	I enjoy discussing topics with peers	0.3135	0.2099	-.0098	0.3687	0.3674	1.0000	0.5984
Q7_share	I frequently share notes with others	0.2555	0.0570	0.0398	0.1688	0.1669	0.5984	1.0000

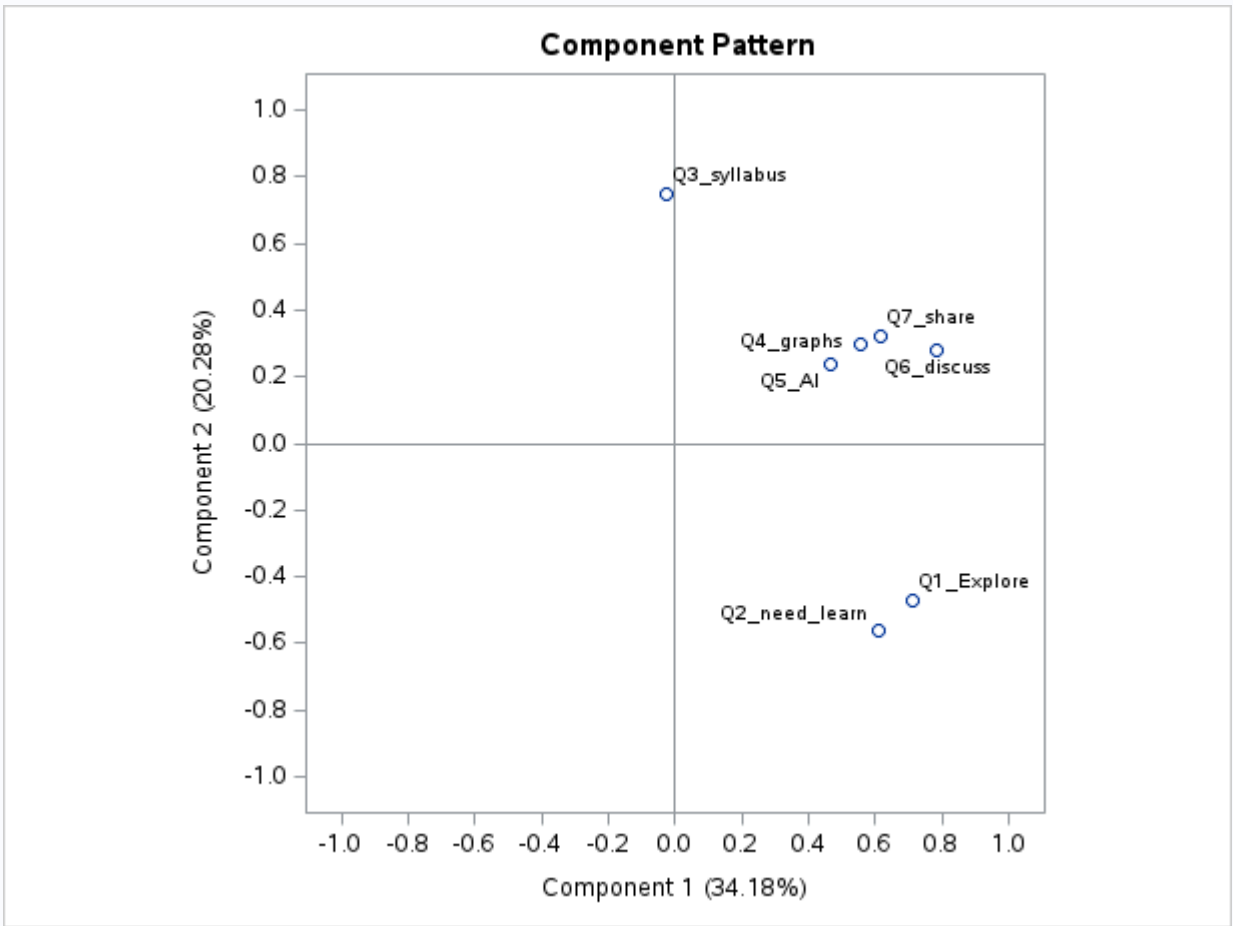
Eigenvalues of the Correlation Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	2.39264365	0.97285709	0.3418	0.3418
2	1.41978656	0.33330130	0.2028	0.5446
3	1.08648526	0.21519239	0.1552	0.6998
4	0.87129286	0.30251462	0.1245	0.8243
5	0.56877824	0.20614763	0.0813	0.9056
6	0.36263061	0.06424779	0.0518	0.9574
7	0.29838282		0.0426	1.0000

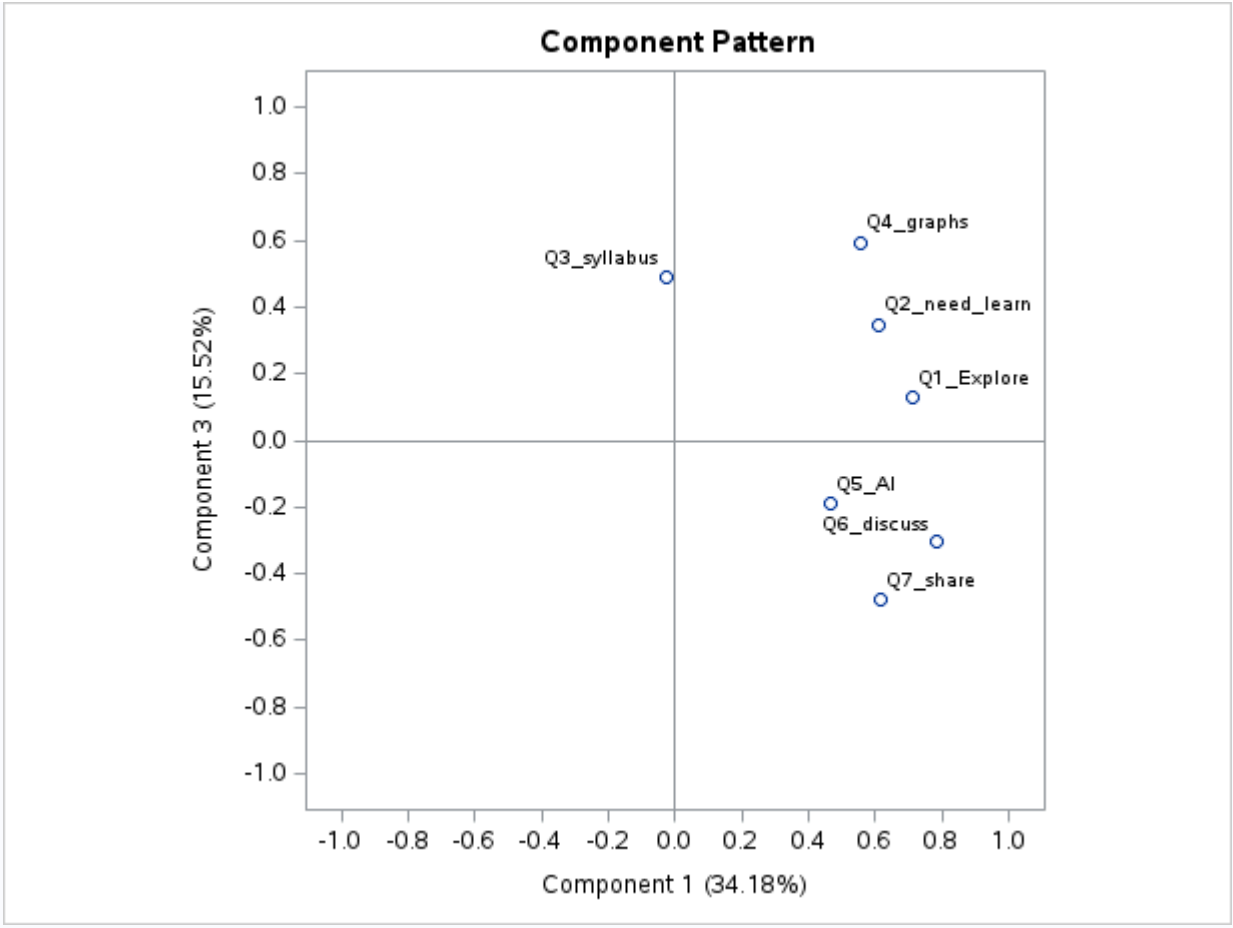
Eigenvectors								
		Prin1	Prin2	Prin3	Prin4	Prin5	Prin6	Prin7
Q1_Explore	I like to explore topics beyond the syllabus	0.457911	-.393760	0.126114	-.026296	0.431070	-.629281	-.191987
Q2_need_learn	I only learn what is strictly necessary	0.393589	-.472573	0.333701	0.090715	0.112989	0.692668	0.098087
Q3_syllabus	I follow a strict study plan/syllabus	-.017337	0.624710	0.469234	0.071209	0.562842	0.139836	-.218722
Q4_graphs	I prefer using graphs and visual aids	0.358588	0.251305	0.569617	-.206081	-.536650	-.236401	0.312168
Q5_AI	I use AI tools to assist my learning	0.301453	0.198211	-.180891	0.876489	-.055185	-.088794	0.240738
Q6_discuss	I enjoy discussing topics with peers	0.507698	0.235560	-.293175	-.101042	-.298410	0.172637	-.686834
Q7_share	I frequently share notes with others	0.397350	0.270989	-.457626	-.406322	0.323315	0.105304	0.527766

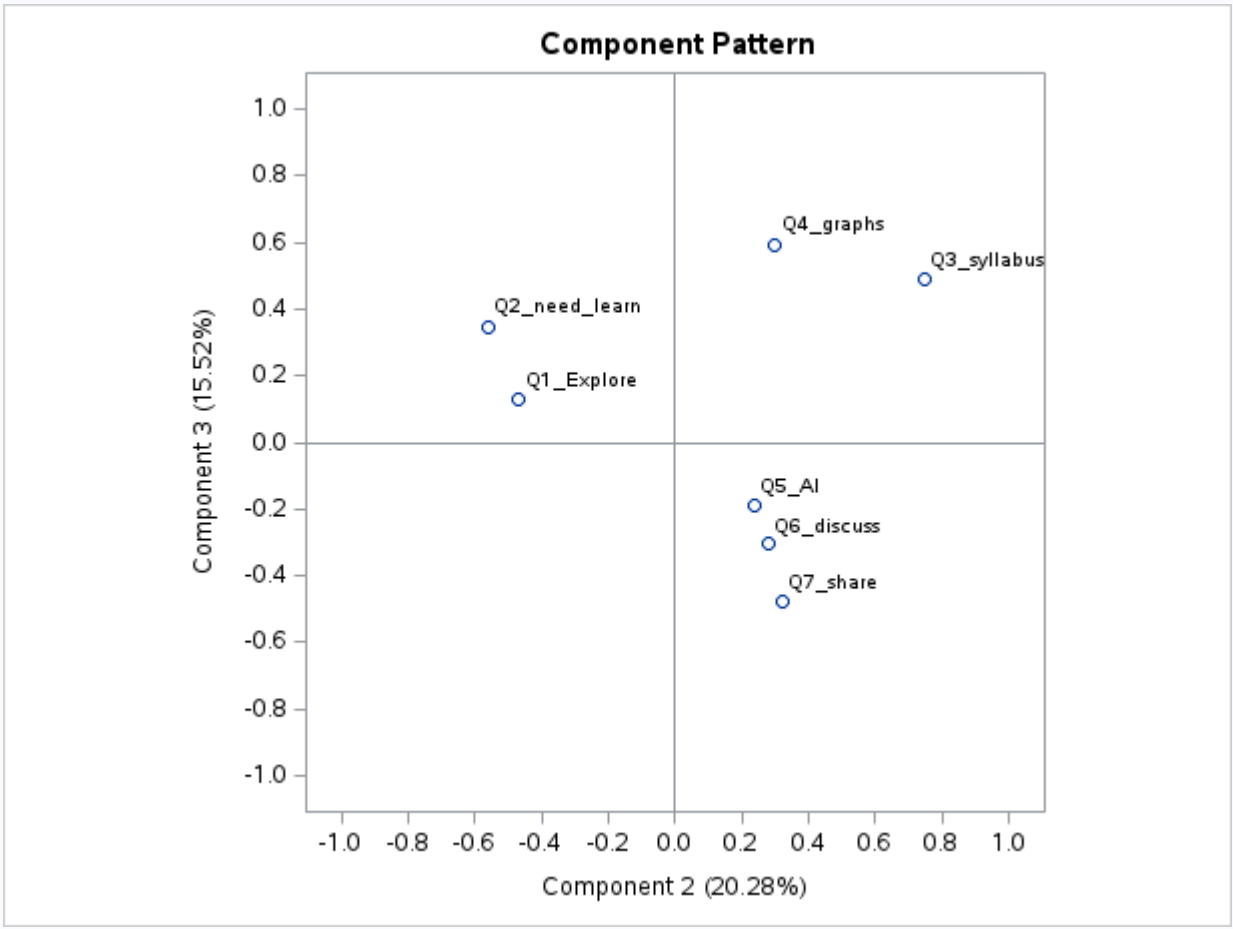

Scree Plot
Eigenvalue
2.5
2.0
1.5
1.0
0.5
1 2 3 4 5 6 7
Principal Component
Variance Explained
Proportion
1.0
0.8
0.6
0.4
0.2
0.0
1 2 3 4 5 6 7
Principal Component
Cumulative
Proportion

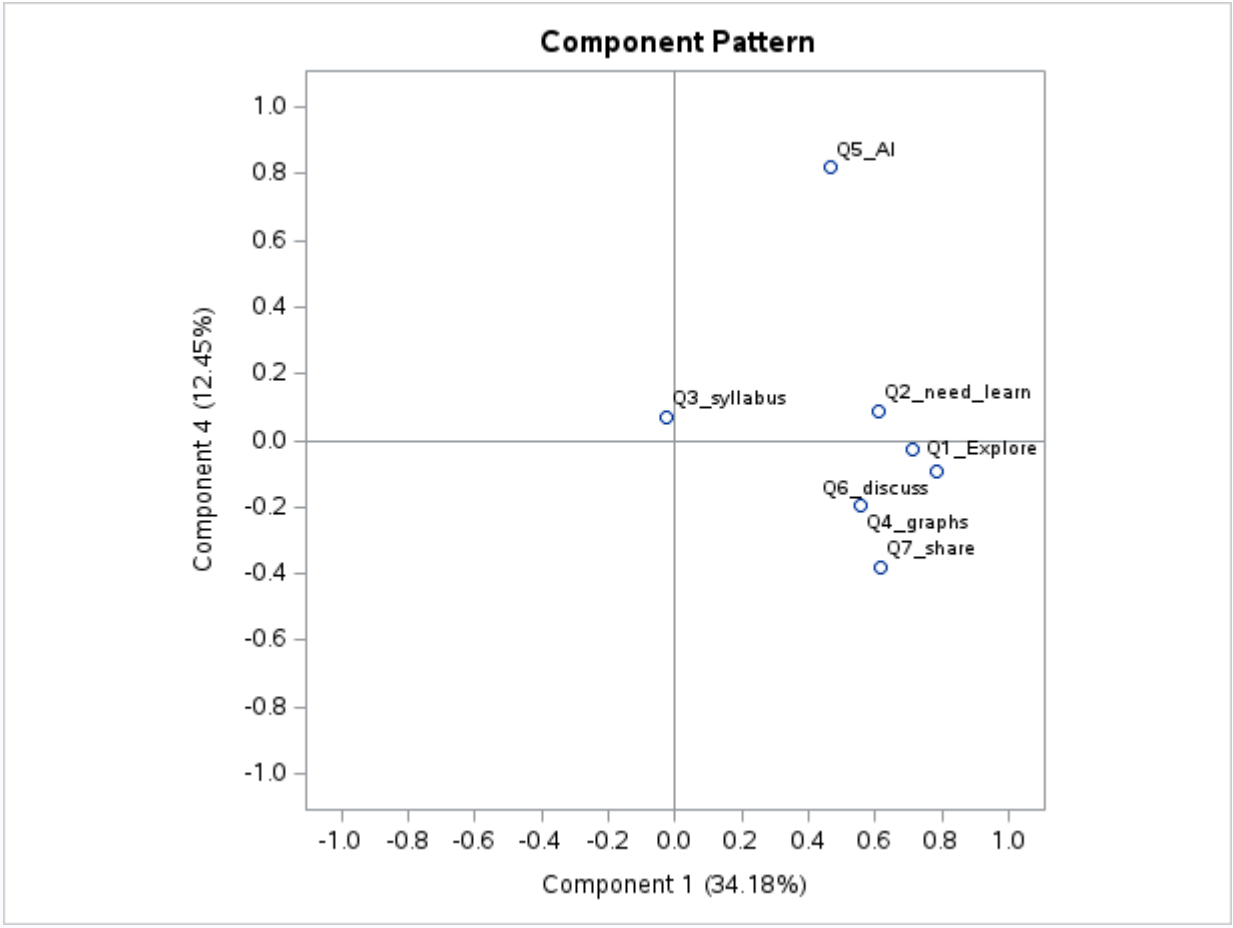

Component Scores Matrix
1 2 3 4 5 6 7
1
2
3
4
5
6
7

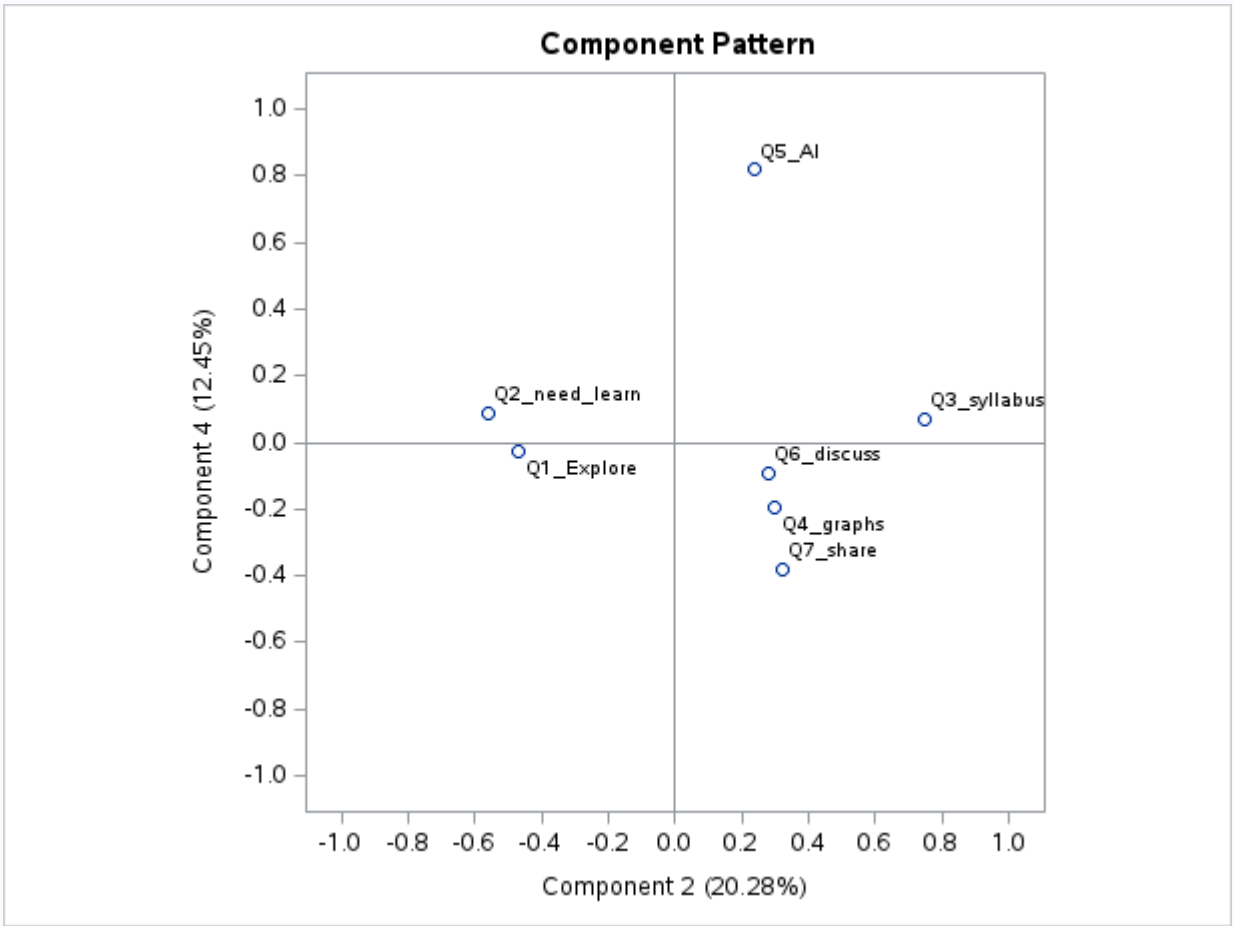

Component Pattern Profiles
Correlation
0.5
0.0
-0.5
Q1_Explore
Q2_need_learn
Q3_syllabus
Q4_graphs
Q5_AI
Q6_discuss
Q7_share
Variable
Component
1
2
3
4
5
6
7

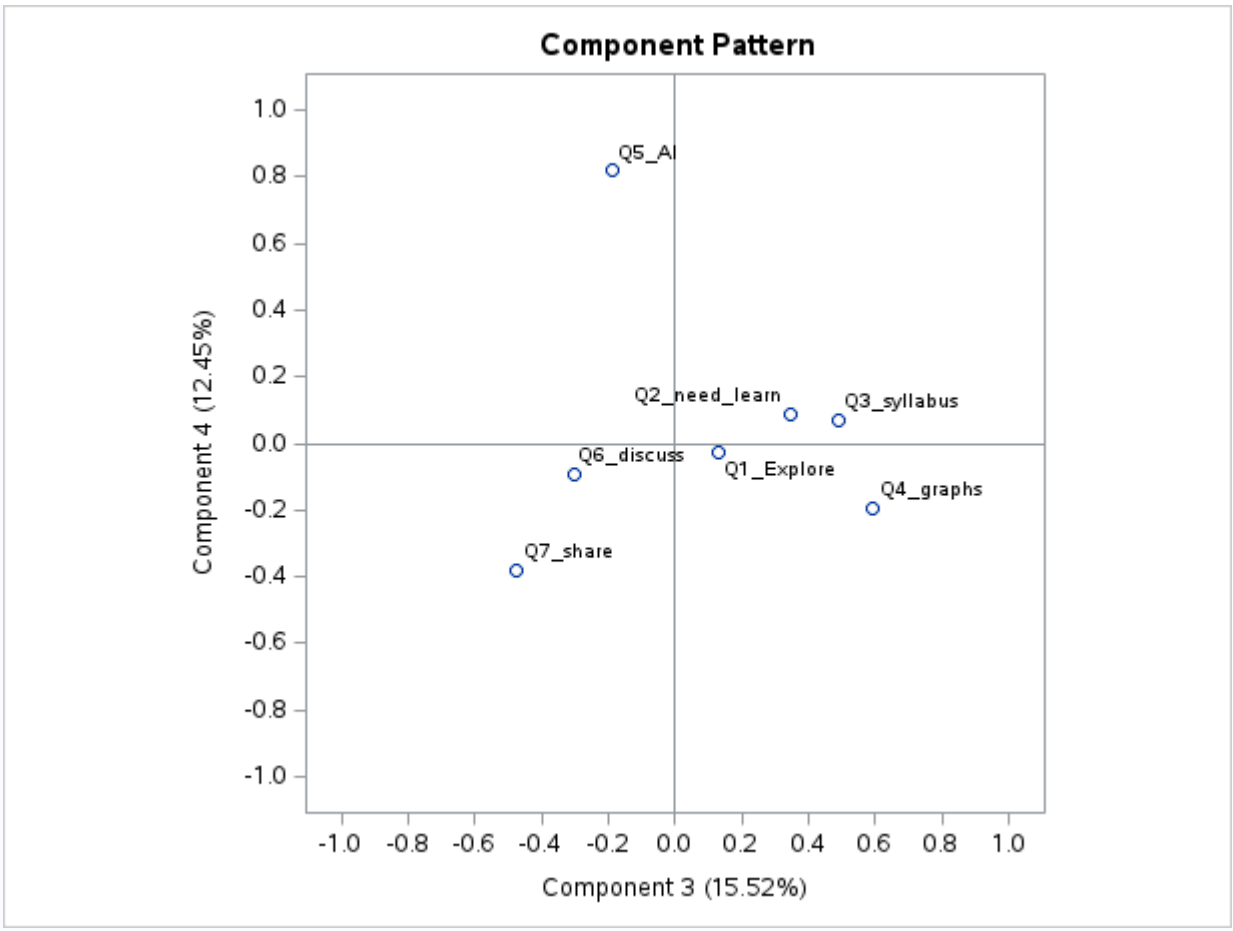

Component Pattern
Component 2 (20.28%)
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
Q3_syllabus
Q7_share
Q4_graphs
Q6_discuss
Q5_AI
Q1_Explore
Q2_need_learn
-1.0
-0.8
-0.6
-0.4
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
Component 1 (34.18%)

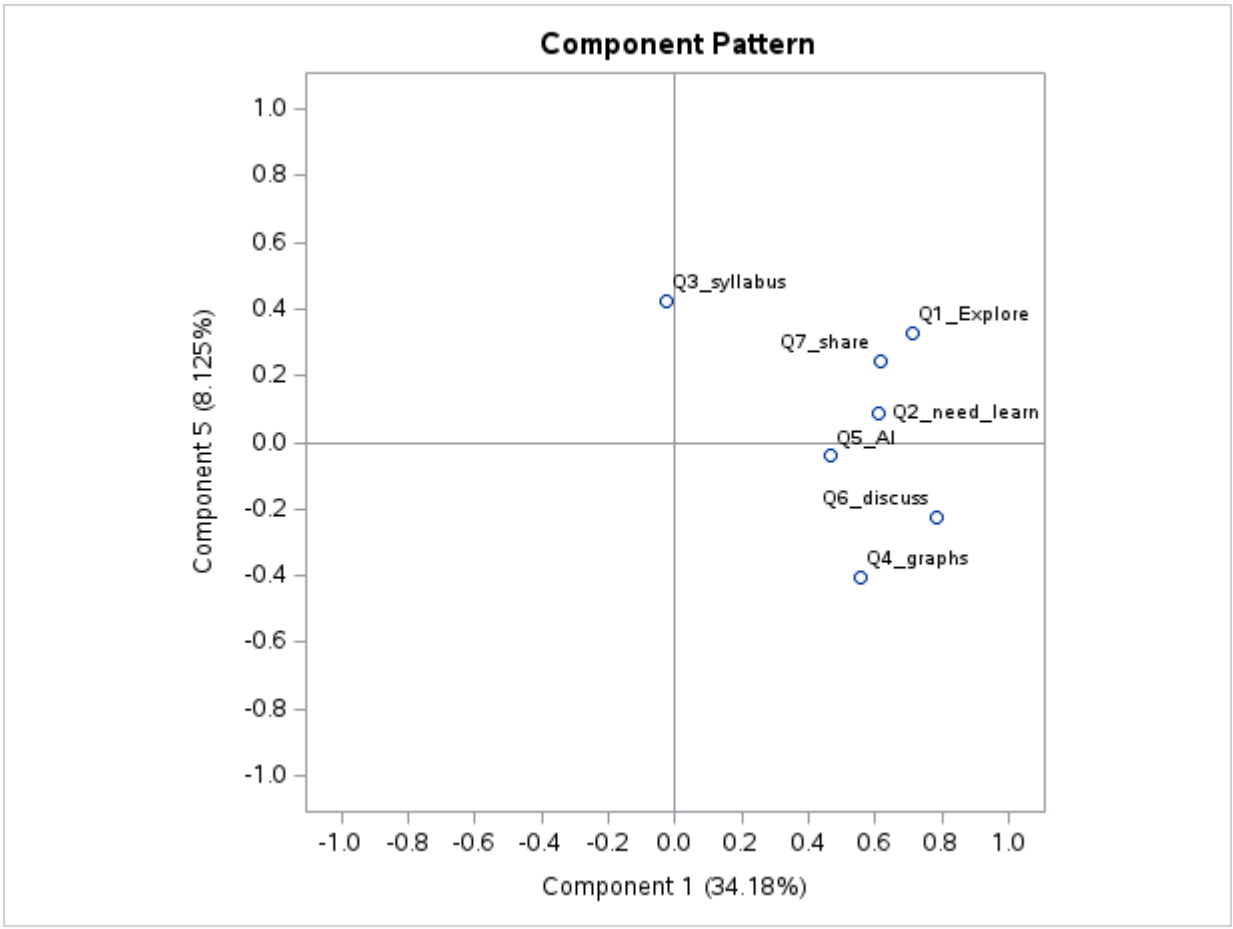

Component Pattern
Q4_graphs
Q3_syllabus
Q2_need_learn
Q1_Explore
Q5_AI
Q6_discuss
Q7_share
Component 3 (15.52%)
Component 1 (34.18%)

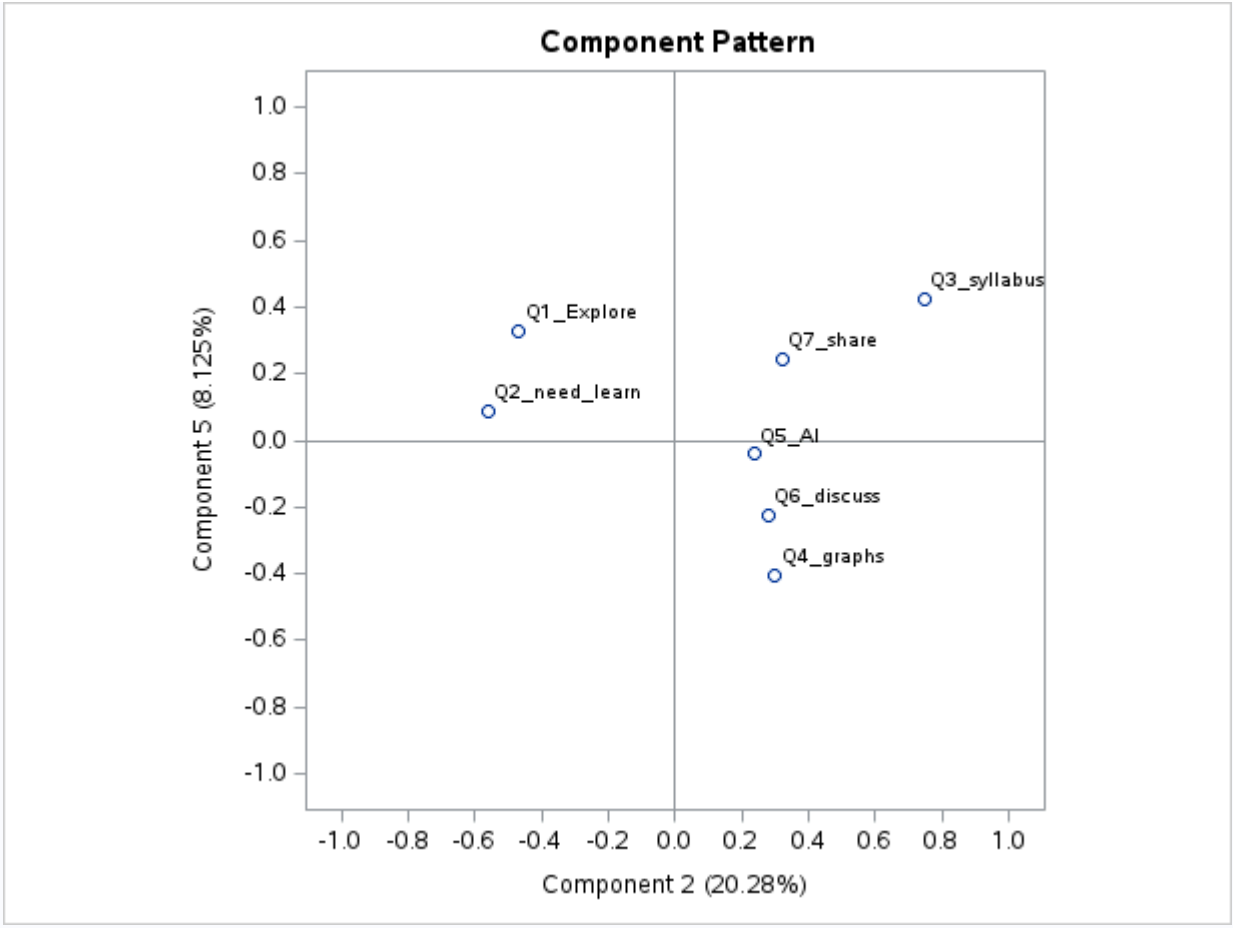

Component Pattern
Q4_graphs
Q3_syllabus
Q2_need_learn
Q1_Explore
Q5_AI
Q6_discuss
Q7_share
Component 3 (15.52%)
Component 2 (20.28%)

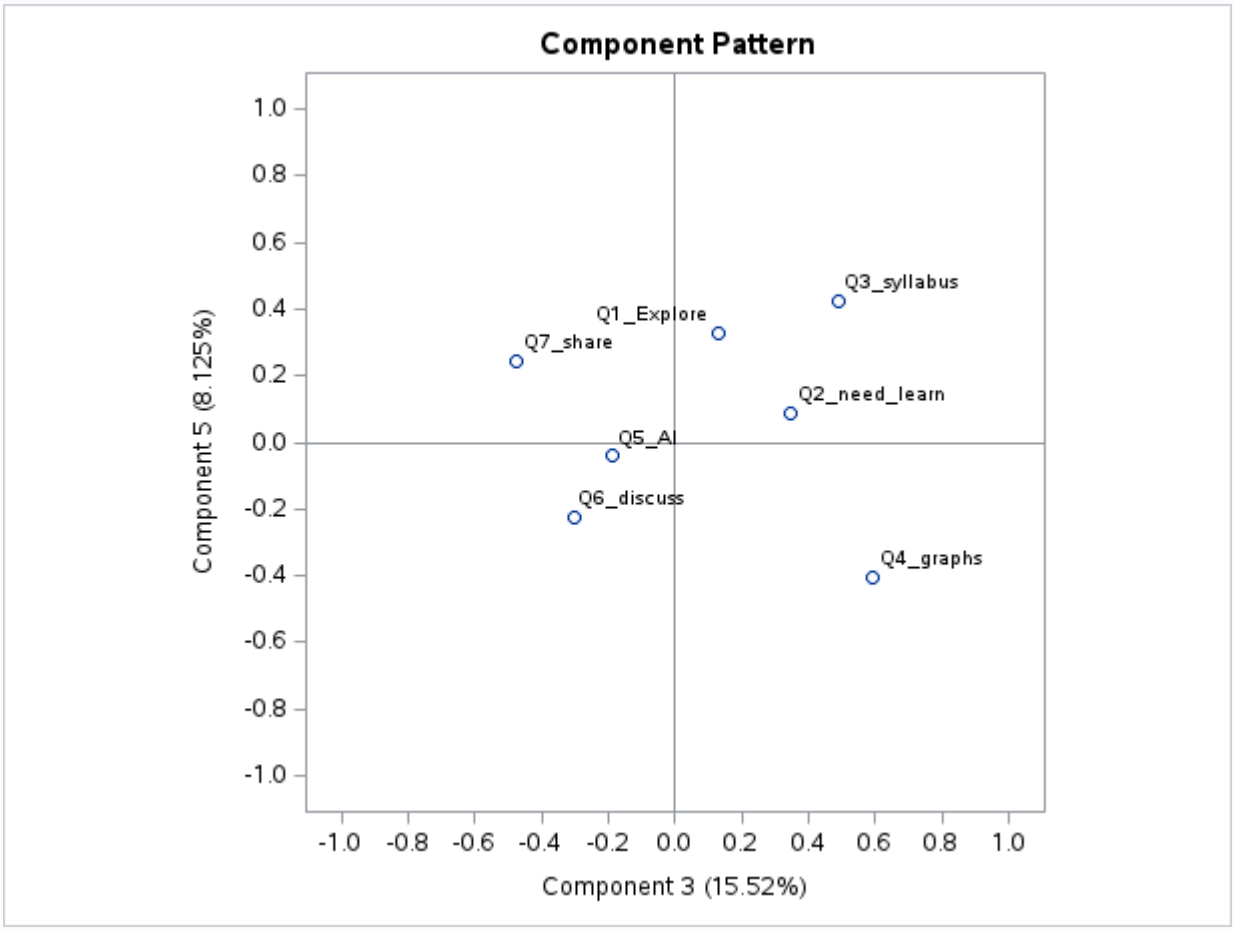

Component Pattern
Q5_AI
Q3_syllabus
Q2_need_learn
Q1_Explore
Q6_discuss
Q4_graphs
Q7_share
Component 4 (12.45%)
Component 1 (34.18%)
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.0 -0.8 -0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1.0

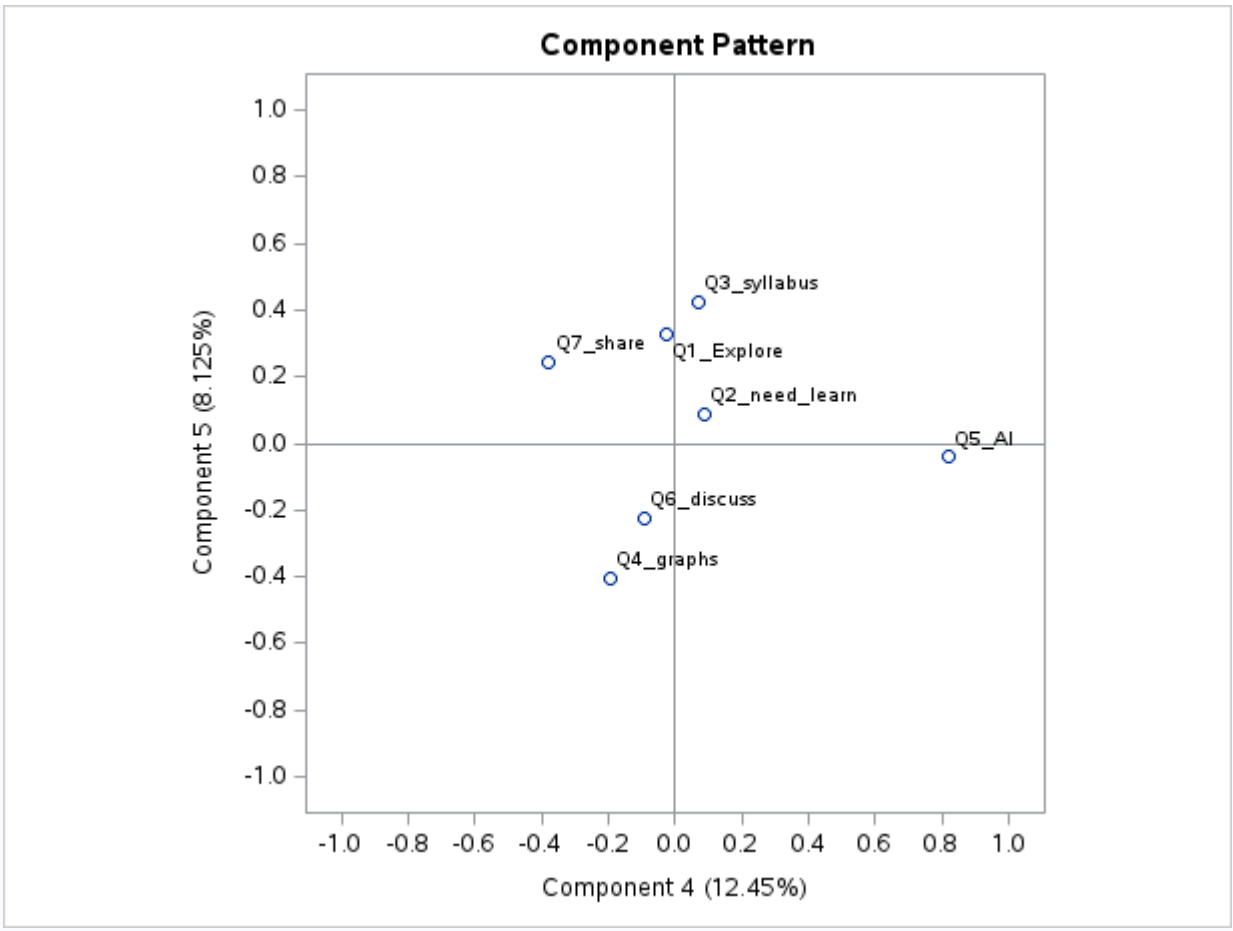

Component Pattern
Q5_AI
Q2_need_learn
Q3_syllabus
Q1_Explore
Q6_discuss
Q4_graphs
Q7_share
Component 4 (12.45%)
Component 2 (20.28%)
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.0 -0.8 -0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1.0

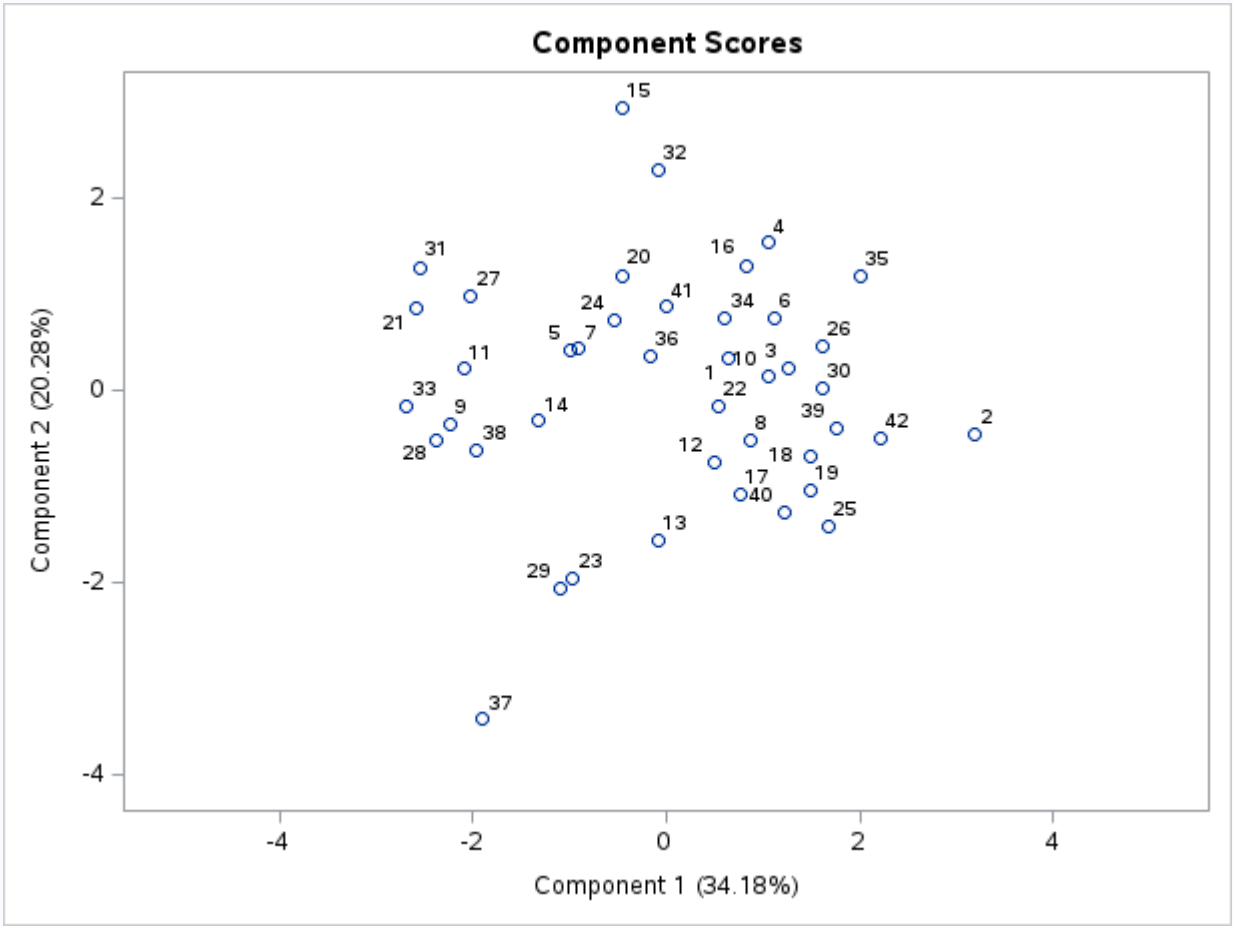

Component Pattern
Q5_AI
Q2_need_learn
Q3_syllabus
Q6_discuss
Q1_Explore
Q4_graphs
Q7_share
Component 4 (12.45%)
Component 3 (15.52%)
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.0 -0.8 -0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1.0

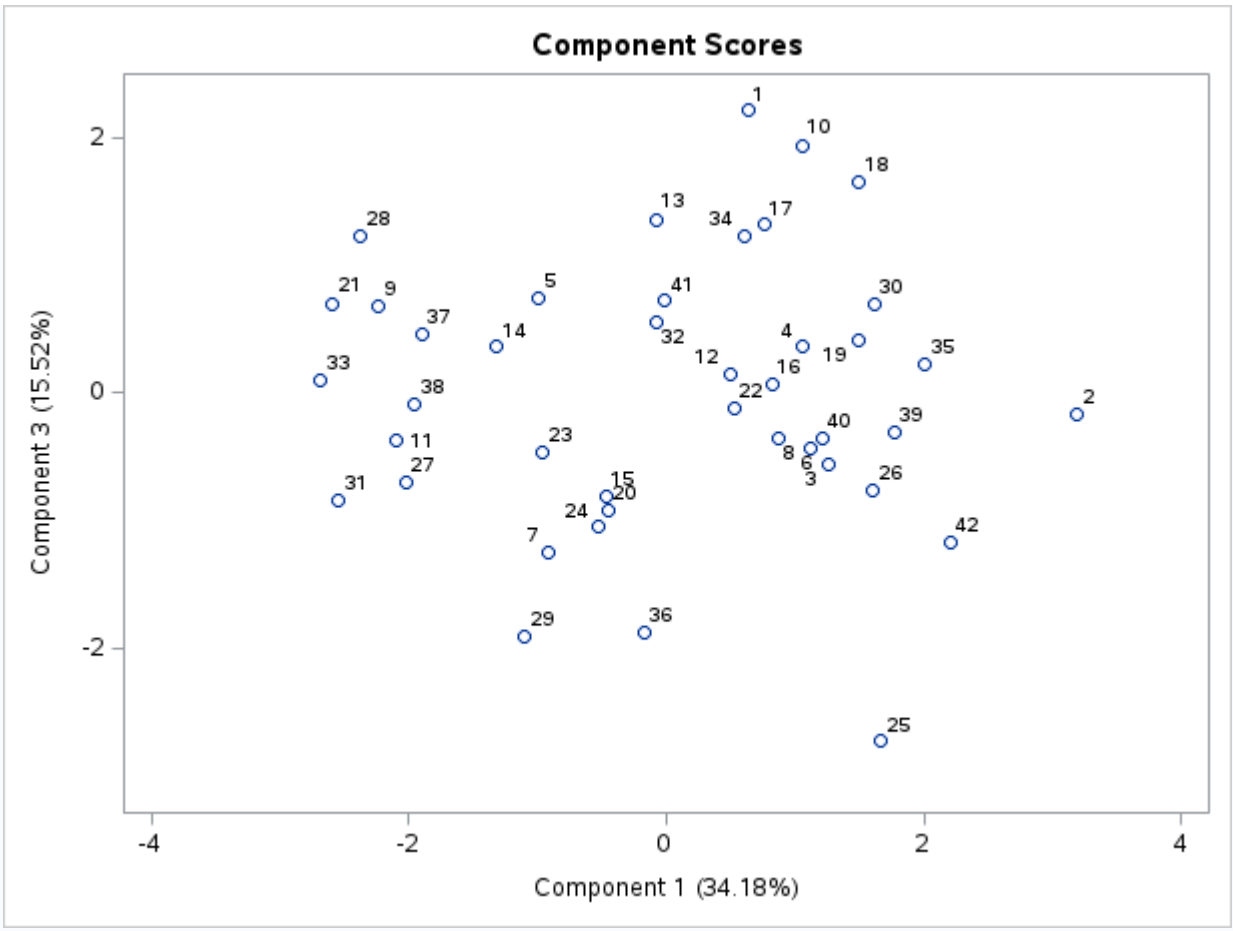

Component Pattern
Q3_syllabus
Q1_Explore
Q7_share
Q2_need_learn
Q5_AI
Q6_discuss
Q4_graphs
Component 5 (8.125%)
Component 1 (34.18%)
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.0 -0.8 -0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1.0

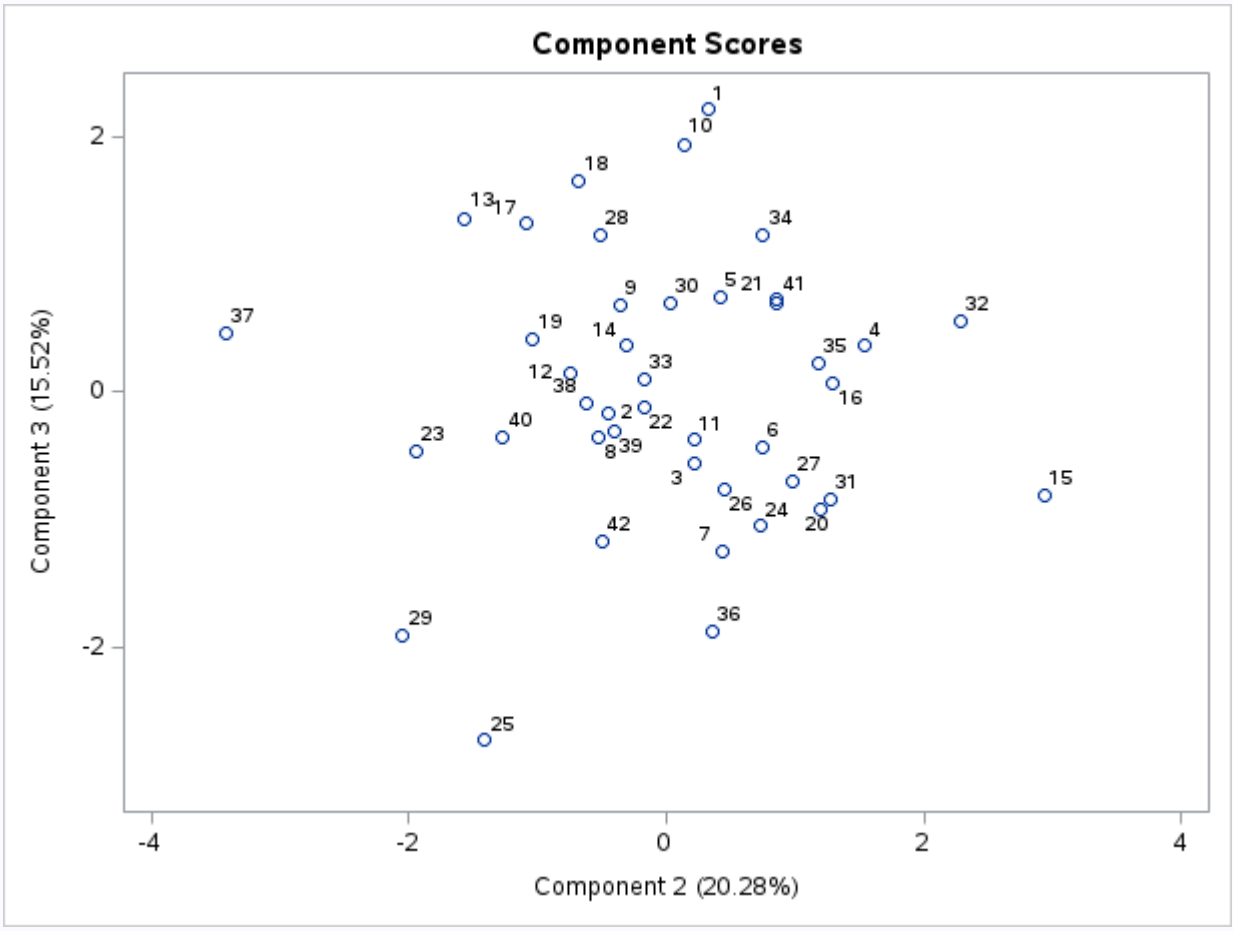

Component Pattern
Component 5 (8.125%)
Component 2 (20.28%)
Q1_Explore
Q2_need_learn
Q3_syllabus
Q4_graphs
Q5_AI
Q6_discuss
Q7_share
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.0 -0.8 -0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1.0

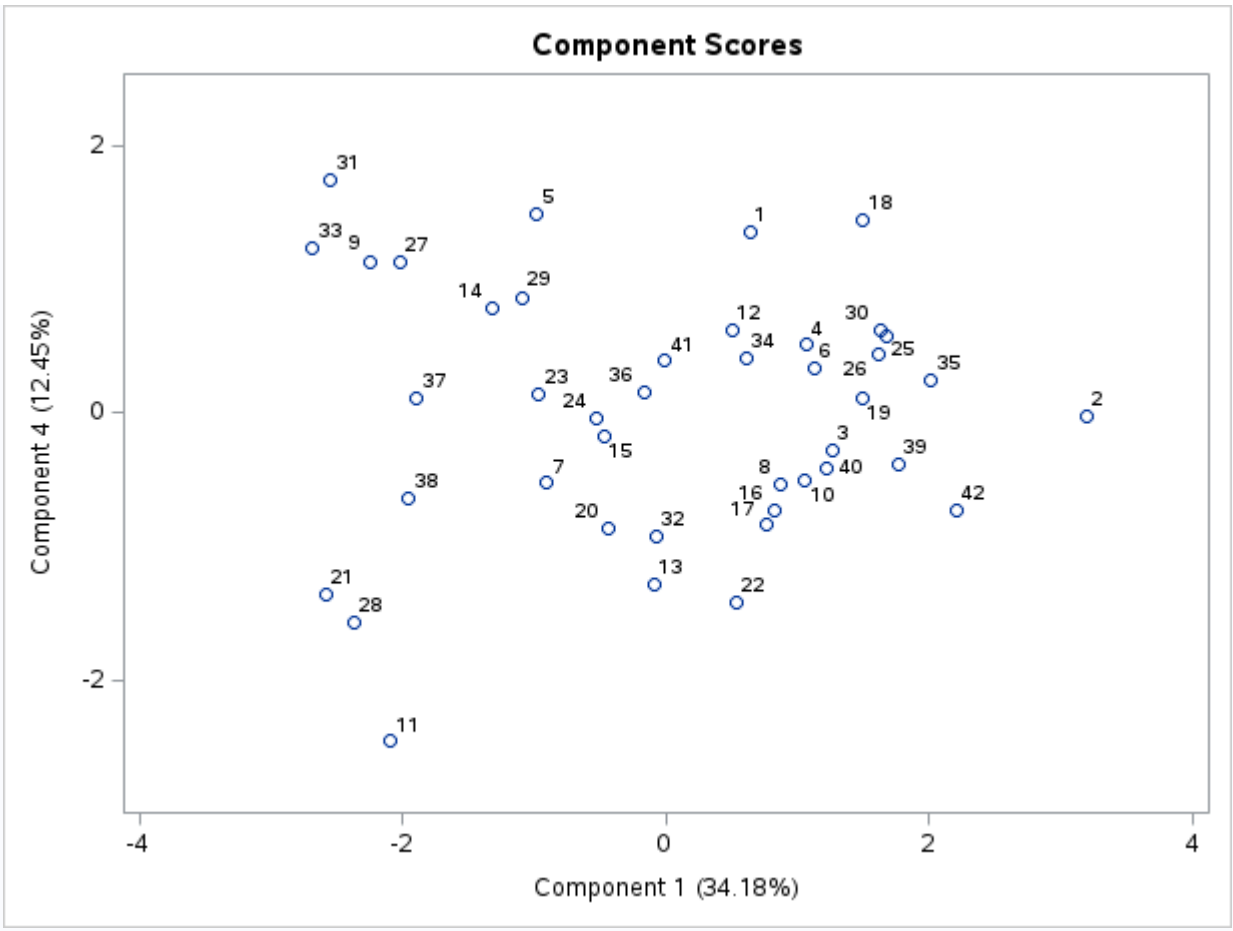

Component Pattern
Component 5 (8.125%)
Component 3 (15.52%)
Q1_Explore
Q2_need_learn
Q3_syllabus
Q4_graphs
Q5_AI
Q6_discuss
Q7_share
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.0 -0.8 -0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1.0

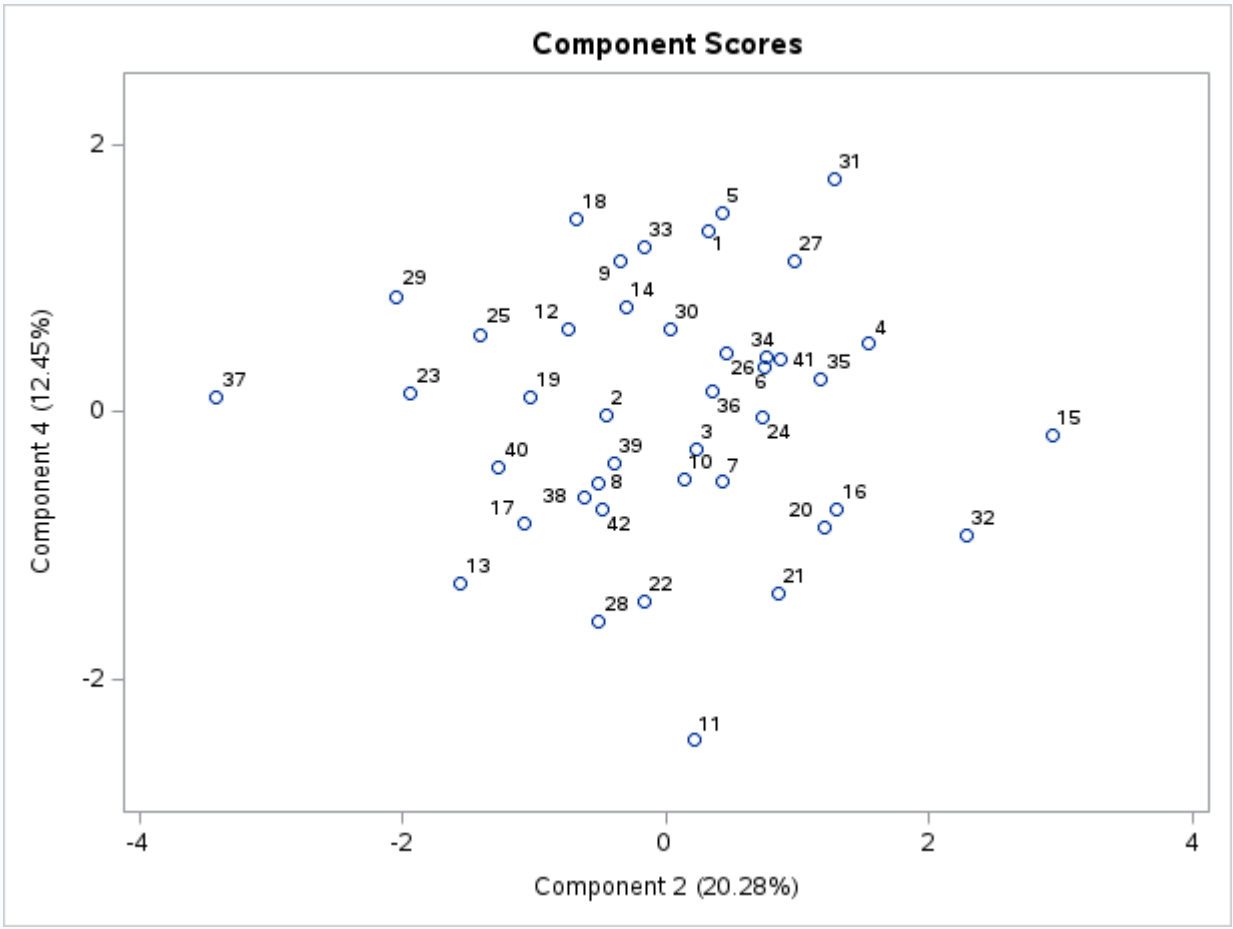

Component Pattern
Component 5 (8.125%)
Component 4 (12.45%)
Q3_syllabus
Q7_share
Q1_Explore
Q2_need_learn
Q5_AI
Q6_discuss
Q4_graphs


Component Scores
Component 2 (20.28%)
Component 1 (34.18%)

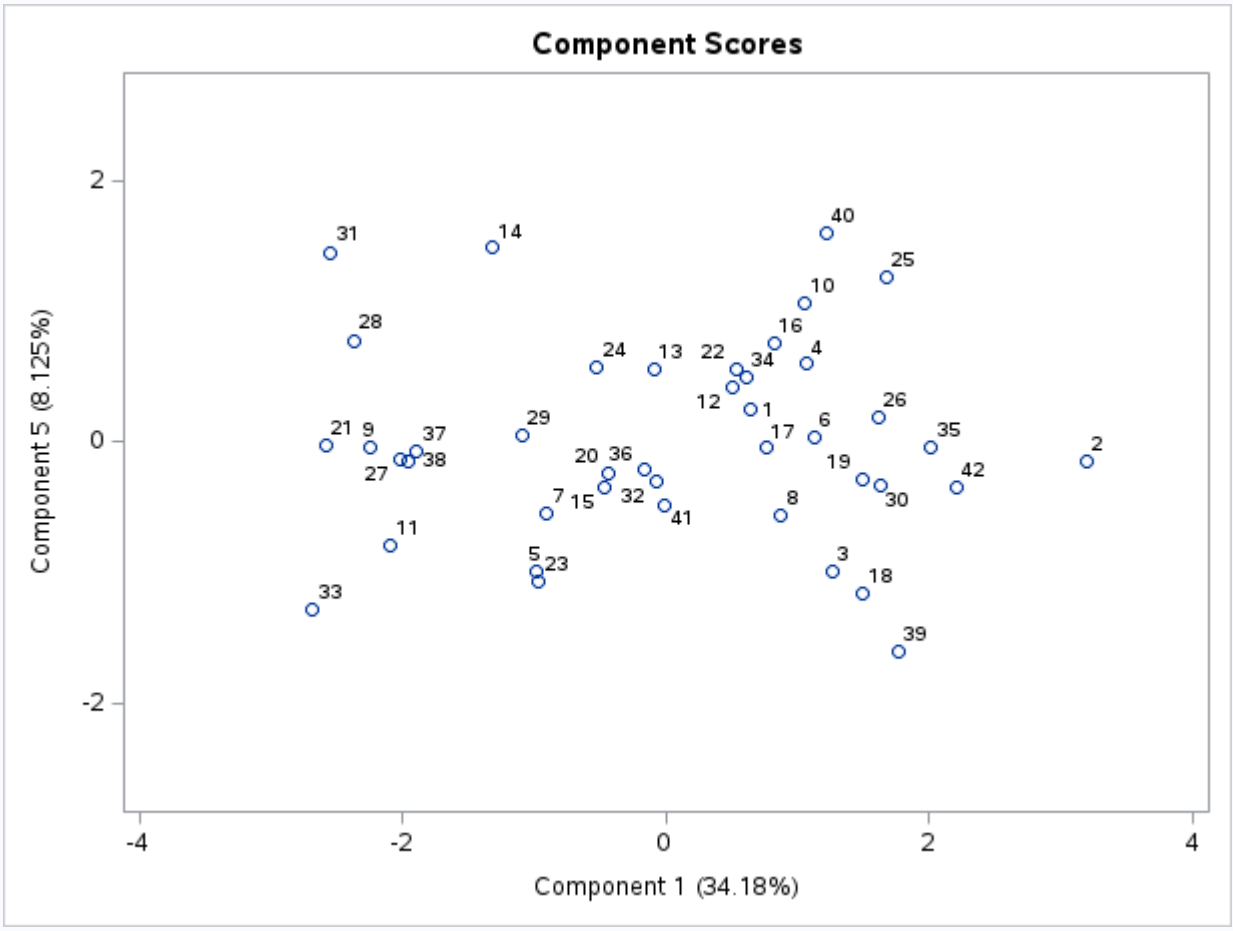

Component Scores
Component 3 (15.52%)
Component 1 (34.18%)
2
0
-2
-4
-2
0
2
4
1
10
18
13
34
17
28
21
9
5
41
30
37
14
32
4
19
35
12
16
33
22
2
38
40
39
11
23
8
6
3
26
27
31
15
20
24
42
7
29
36
25


Component Scores
Component 3 (15.52%)
Component 2 (20.28%)
2
0
-2
-4
-2
0
2
4
1
10
18
13
17
28
34
9
30
5
21
41
37
19
14
32
4
35
33
12
38
16
2
22
11
6
40
23
39
8
3
27
31
15
26
24
20
42
7
29
36
25


Component Scores
Component 4 (12.45%)
Component 1 (34.18%)
2
0
-2
-4
-2
0
2
4


Component Scores
Component 4 (12.45%)
Component 2 (20.28%)
2
0
-2
-4
-2
0
2
4

Component Scores
Component 4 (12.45%)
Component 3 (15.52%)
2
1
0
-1
-2
-3
-2
-1
0
1
2
3


Component Scores
Component 5 (8.125%)
Component 1 (34.18%)
2
0
-2
-4
-2
0
2
4

Component Scores
Component 5 (8.125%)
Component 2 (20.28%)
2
0
-2
-4
-2
0
2
4
40
14
31
25
10
28
16
13
22
24
34
4
12
1
29
37
17
38
9
26
6
35
19
2
30
36
21
27
32
15
41
20
42
8
11
7
23
18
33
3
5
39

Component Scores
Component 5 (8.125%)
Component 3 (15.52%)
1
0
-1
-3
-2
-1
0
1
2
3
40
31
14
25
10
16
28
24
22
4
34
13
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37
9
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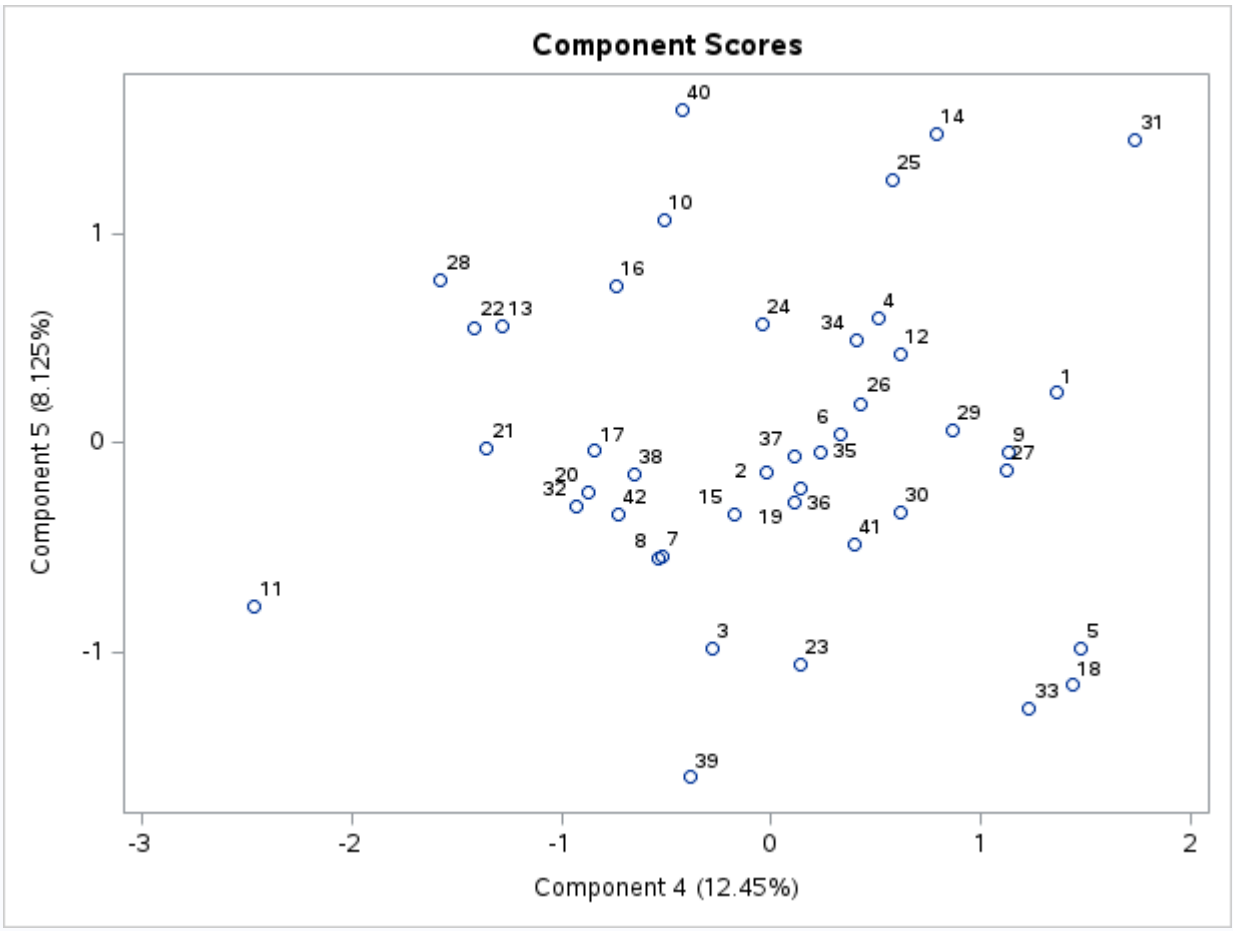
Component Scores
Component 5 (8.125%)
Component 4 (12.45%)

Component Scores
Component 3 (15.52%)
Component 2 (20.28%)
Component 1