

```
FACTOR
/VARIABLES Al Fe M n Zn Cu M o U Ti M g K Sc Y Ba Ca
/MISSING LISTWISE
/ANALYSIS Al Fe M n Zn Cu M o U Ti M g K Sc Y Ba Ca
/PRINT INITIAL CORRELATION K M O EXTRACTION ROTATION FSCORE
/PLOT EIGEN ROTATION
/CRITERIA MINEIGEN(1) ITERATE(25)
/EXTRACTION PC
/CRITERIA ITERATE(25)
/ROTATION VAR IMAX
/SAVE REG(ALL)
/METHOD= CORRELATION .
```

26-JUN-2023 08:32:32

C:\Users\DeII\Desktop\

.sav

1

< >

< >

< >

1
6

MISSING=EXCLUDE

LISTWISE

FACTOR

/VARIABLES Al Fe Mn Zn Cu Mo
U Ti Mg K Sc Y Ba Ca

/MISSING LISTWISE

/ANALYSIS Al Fe Mn Zn Cu Mo
U Ti Mg K Sc Y Ba Ca

/PRINT INITIAL
CORRELATION KMO
EXTRACTION ROTATION
FSCORE

/PLOT EIGEN ROTATION

/CRITERIA MINEIGEN(1)

ITERATE(25)

/EXTRACTION PC

/CRITERIA ITERATE(25)

/ROTATION VARIMAX

/SAVE REG(ALL)

/METHOD=CORRELATION.

	00:00:02.45
	00:00:00.63
FAC1_1	26824 (26 . 195K)
FAC2_1	1
FAC3_1	2
FAC4_1	3
	4

[1] C:\Users\Dell\Desktop\ . sav

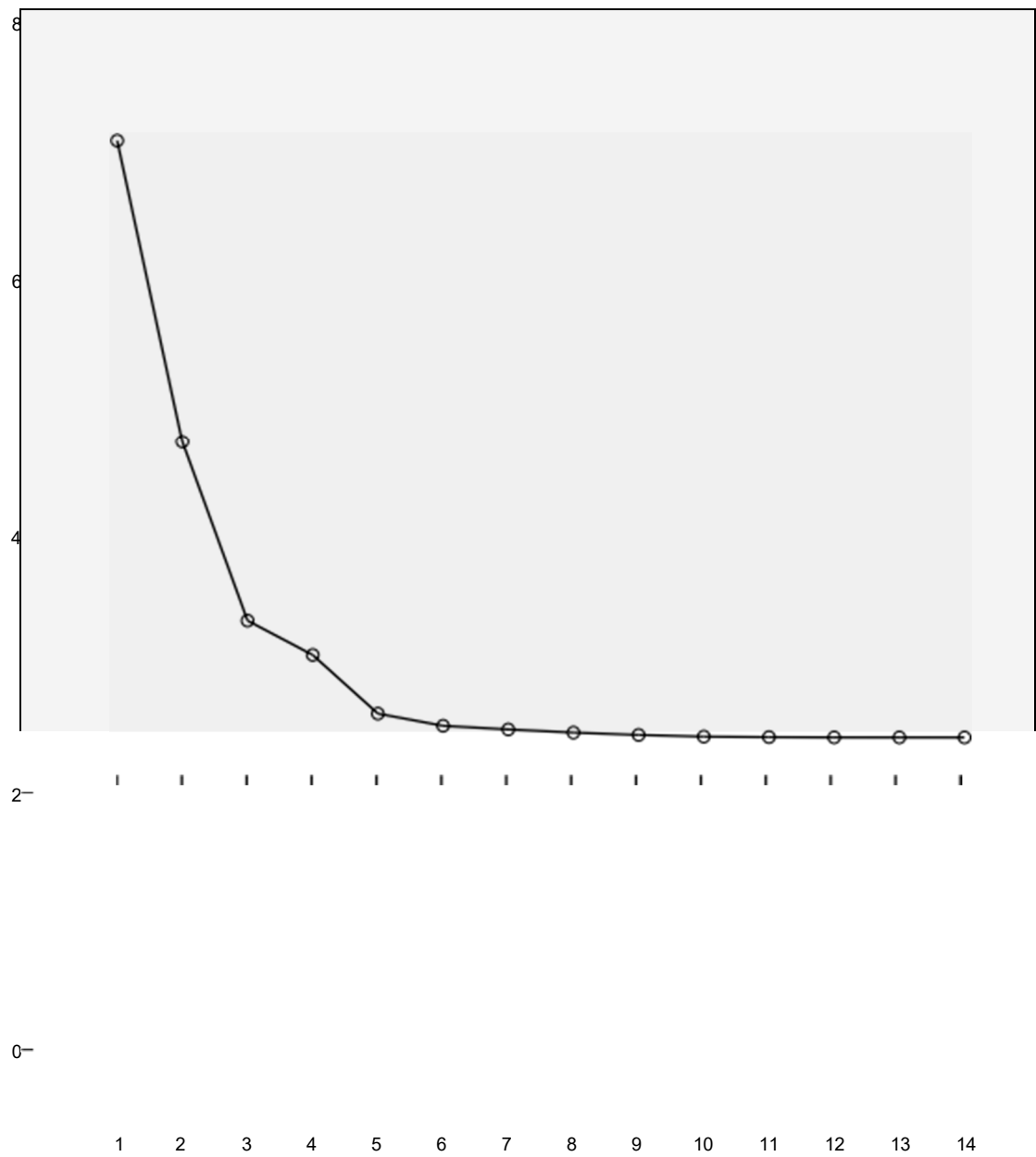
	Al	Fe	Mn	Zn	Cu	Mo	U	Ti	Mg	K	Sc	Y	Ba	Ca
Al	1.000	.508	.404	.375	.191	.653	.456	.992	.938	.526	.991	.893	.428	.412
Fe	.508	1.000	.185	.509	.727	.298	.729	.522	.610	.021	.562	.711	.249	.790
Mn	.404	.185	1.000	.090	.303	.777	.048	.387	.077	.936	.365	.236	.941	.257
Zn	.375	.509	.090	1.000	.713	.172	.068	.352	.461	.124	.377	.524	.106	.366
Cu	.191	.727	.303	.713	1.000	.171	.505	.210	.348	.266	.262	.454	.365	.537
Mo	.653	.298	.777	.172	.171	1.000	.498	.658	.450	.847	.659	.635	.726	.647
U	.456	.729	.048	.068	.505	.498	1.000	.490	.529	.122	.527	.575	.094	.702
Ti	.992	.522	.387	.352	.210	.658	.490	1.000	.935	.511	.995	.899	.410	.421
Mg	.938	.610	.077	.461	.348	.450	.529	.935	1.000	.239	.943	.871	.120	.349
K	.526	.021	.936	.124	.266	.847	.122	.511	.239	1.000	.494	.364	.880	.358
Sc	.991	.562	.365	.377	.262	.659	.527	.995	.943	.494	1.000	.914	.386	.454
Y	.893	.711	.236	.524	.454	.635	.575	.899	.871	.364	.914	1.000	.287	.641
Ba	.428	.249	.941	.106	.365	.726	.094	.410	.120	.880	.386	.287	1.000	.209
Ca	.412	.790	.257	.366	.537	.647	.702	.421	.349	.358	.454	.641	.209	1.000

K M O

K M O	.5
	73
	368.6
	71
	9
	1
	.00
	0

Al	1.00 0	.99 6
Fe	1.00 0	.91 4
Mn	1.00 0	.97 3
Zn	1.00 0	.97 3
Cu	1.00 0	.89 1
Mo	1.00 0	.94 1
U	1.00 0	.94 1
Ti	1.00 0	.99 2
Mg	1.00 0	.98 6
K	1.00 0	.94 9
Sc	1.00 0	.99 4
Y	1.00 0	.92 9
Ba	1.00 0	.94 9
Ca	1.00 0	.92 8

			%			%			%
1	7.	52.	52.	7.	52.	52.	4.	34.	34.
2	30	183	183	30	183	183	78	162	162
3	6	25.	78.	6	25.	78.	3	27.	61.
4	3.	820	003	3.	820	003	3.	658	819
5	61	10.	88.	61	10.	88.	87	20.	82.
6	5	193	196	5	193	196	2	801	620
7	1.		95.	1.			2.		
8	42	7.	397	42	7.20 1	95.39 7	91	12.77 7	95.39 7
9	7	201	97.	7			2		
10	1.	2.	480						
11	00	083	98.	1.00 8			1.78 9		
12	8		502						
13	.	1.	99.						
14	29	023	209						
	2		99.						-
	.	.7	639						
	14	06	99.						
	3		865						
	.	.4	99.						
	09	30	945						
	9		99.						
	.	.2	978						
	06	27	99.						
	0		988						
	.	.0	99.						
	03	80	995						
	2								
	.	.0	100.00 0						
	01	33							
	1								
	.	.0							
	00	10							
	5	.00							
	.	7							
	00								
	1	.00 5							
	.0								
	01								
	.00 1								



a

	1	2	3	4
Al	.9	-	.	.0
Fe	29	.0	35	44
Mn	-	76	3	-
Zn	.6	-	.	.0
Cu	74	.6	23	95
Mo	-	28	8	.
U	.4	.	.	18
Ti	45	83	20	1
Mg	-	8	0	.
K	.4	-	-	73
Sc	49	.4	.0	0
Y	-	84	70	.
Ba	.4	-	.	31
Ca	03	.7	30	3
	-	32	8	.
	.8	.	.	03
	06	42	33	7-
	-	0	7	.5
	.6	-	.	28
	33	.3	35	.
	.	68	4	08
	93	-	.	0
	2	.0	33	.
	.	58	8	09
	85	.	.	7
	3-	22	44	.
	.5	7	5	00
	73	.	.	8
	.	76	18	.
	94	5	8	07
	5	-	.	8-
	.	.0	30	.0
	94	16	8	35
	1-	.	.	.17
	.4	17	11	2
	36	1	9	.00
	.69	.8	.0	9
	7	50	85	
		.19	-	

		6	.636	
--	--	---	------	--

a. 4

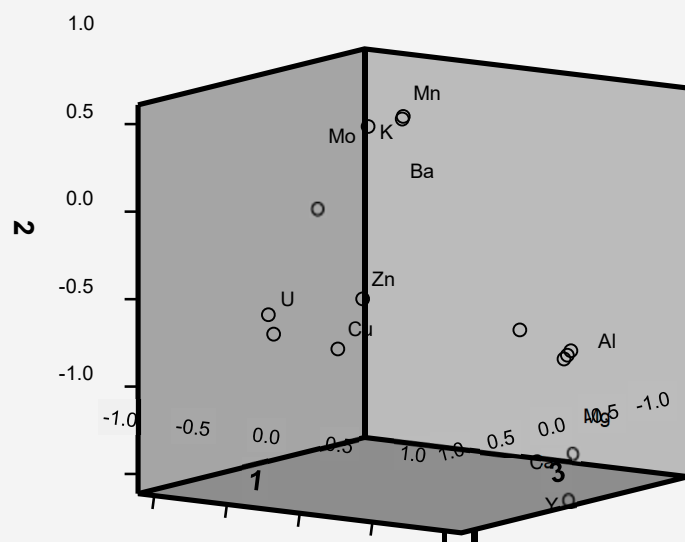
a

	1	2	3	4
Al	.9	-	-	-
Fe	25	.3	.1	.1
Mn	-	20	60	13
Zn	.4	-	.	.
Cu	27	.1	75	35
Mo	-	82	7	4 -
U	.1	.	-	.0
Ti	10	97	.0	55
Mg	-	7	62	.
K	.3	-	.	93
Sc	01	.0	06	5
Y	-	67	4	.
Ba	.1	-	.	69
Ca	19	.2	56	8
	-	62	6	.
	.3	.	.	08
	56	79	42	8 -
	-	4	0	.1
	.3	-	.	29

	75	.0	88	-
	.	47	4	.0
	92	-	-	91
	5	.3	.1	-
	.	03	94	.1
	95	.	-	62
	8 -	00	.2	-
	.2	2	03	.1
	49	.	.	48
	.	92	08	-
	91	6	4	.1
	9	-	-	16
	.	.2	.2	-
	79	84	36	.3
	4 -	-	-	09
	.1	.2	.3	-
	76	16	97	.082
	.14	.9	-	-
	4	43	.1	.301
		-	46	
		.331	-	
			.841	

a. 5

	1	2	3	4
1	.75 5	-.412	-.453	-.235
2	.08 3	.82 0	-.396	-.405
3	.62 8	.32 5	.69 9	.10 3
4	.16 7	.22 9	-.387	.87 8



	1	2	3	4
Al	.2	.	.	.0
Fe	57	02	10	42
Mn	.	1	7	.
Zn	00	-	.	02
Cu	5	.0	26	7
Mo	.	72	4	.
U	09	.	-	09
Ti	1	30	.0	3
Mg	.	2	36	.
K	03	.	-	69
Sc	3	06	.2	9
Y	.	6	33	.
Ba	12	-	.	39
Ca	9	.0	13	0
	.	02	6	.
	08	.	.	03
	1 -	22	15	6 -
	.0	6	5	.3
	06	-	.	73
	.	.0	45	.
	25	87	6	07
	7	.	.	1
	.	03	08	.
	30	0	3	06
	5	.	.	4 -
	.	12	10	.0
	04	7	3	47
	2	.	.	.
	.	25	04	06
	24	0	0	1 -
	6	.	.	.0
	.	03	06	71
	14	1	4	.07
	8	.	-	4
	.0	00	.0	-
	40	5	05	.082
	.	.2	-	
	-.202	76	.0	
		-	90	
		.138	-	

			.380	
--	--	--	------	--

	1	2	3	4
1	1.00 0	.00 0	.00 0	.00 0
2	.00 0	1.00 0	.00 0	.00 0
3	.00 0	.00 0	1.00 0	.00 0
4	.00 0	.00 0	.00 0	1.00 0