

ANEXO - Output SPSS Multivariada

Análise Factorial em Componentes Principais Programa informático: SPSS

EXAMINE

VARIABLES=anos_mpb act_mpb área prod_finais técnicas
dificuldades

UTATotal CNRumR

/PLOT BOXPLOT STEMLEAF HISTOGRAM NPLOT

/COMPARE GROUP

/STATISTICS DESCRIPTIVES EXTREME

/CINTERVAL 95

/MISSING LISTWISE

/NOTOTAL.

Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
anos_mpb	69	100,0%	0	,0%	69	100,0%
act_mpb	69	100,0%	0	,0%	69	100,0%
área	69	100,0%	0	,0%	69	100,0%
prod_finais	69	100,0%	0	,0%	69	100,0%
técnicas	69	100,0%	0	,0%	69	100,0%
dificuldades	69	100,0%	0	,0%	69	100,0%
UTATotal	69	100,0%	0	,0%	69	100,0%
CNRumR	69	100,0%	0	,0%	69	100,0%

Descriptives

		Statistic	Std. Error
anos_mpb	Mean	8,9130	,55772
	95% Confidence Interval for Mean	Lower Bound 7,8001	
		Upper Bound 10,0260	
	5% Trimmed Mean	8,7440	
	Median	8,0000	
	Variance	21,463	
	Std. Deviation	4,63281	
	Minimum	2,00	
	Maximum	20,00	
	Range	18,00	

act_mpb	Interquartile Range		8,00		
	Skewness		,409	,289	
	Kurtosis		-,637	,570	
	Mean		2,84	,120	
	95% Confidence Interval for Mean	Lower Bound		2,60	
		Upper Bound		3,08	
	5% Trimmed Mean		2,82		
	Median		3,00		
	Variance		,989		
	Std. Deviation		,994		
	Minimum		1		
	Maximum		5		
	Range		4		
	Interquartile Range		1		
área	Skewness		,515	,289	
	Kurtosis		,148	,570	
	Mean		291,90	36,493	
	95% Confidence Interval for Mean	Lower Bound		219,08	
		Upper Bound		364,72	
	5% Trimmed Mean		258,95		
	Median		227,00		
	Variance		91889,416		
	Std. Deviation		303,133		
	Minimum		10		
	Maximum		2360		
	Range		2350		
	Interquartile Range		235		
	Skewness		4,850	,289	
Kurtosis		31,903	,570		
prod_finais	Mean		2,06	,113	
	95% Confidence Interval for Mean	Lower Bound		1,83	
		Upper Bound		2,28	
	5% Trimmed Mean		2,02		
	Median		2,00		
	Variance		,879		
	Std. Deviation		,938		
	Minimum		1		
	Maximum		4		
	Range		3		
	Interquartile Range		2		
	Skewness		,213	,289	
	Kurtosis		-1,222	,570	
	técnicas	Mean		3,0870	,11813
95% Confidence Interval for Mean		Lower Bound	2,8512		

	Interval for Mean	Upper Bound	3,3227	
	5% Trimmed Mean		3,0733	
	Median		3,0000	
	Variance		,963	
	Std. Deviation		,98128	
	Minimum		1,00	
	Maximum		5,00	
	Range		4,00	
	Interquartile Range		2,00	
	Skewness		,206	,289
	Kurtosis		-,460	,570
dificuldades	Mean		7,1159	,27198
	95% Confidence Interval for Mean	Lower Bound	6,5732	
		Upper Bound	7,6587	
	5% Trimmed Mean		7,1288	
	Median		7,0000	
	Variance		5,104	
	Std. Deviation		2,25920	
	Minimum		2,00	
	Maximum		12,00	
	Range		10,00	
	Interquartile Range		3,00	
	Skewness		-,006	,289
	Kurtosis		-,437	,570
UTATotal	Mean		2,1391	,21550
	95% Confidence Interval for Mean	Lower Bound	1,7091	
		Upper Bound	2,5692	
	5% Trimmed Mean		1,9139	
	Median		1,5000	
	Variance		3,204	
	Std. Deviation		1,79008	
	Minimum		,19	
	Maximum		10,98	
	Range		10,79	
	Interquartile Range		1,50	
	Skewness		2,593	,289
	Kurtosis		8,946	,570
CNRumR	Mean		80,6870	8,39386
	95% Confidence Interval for Mean	Lower Bound	63,9373	
		Upper Bound	97,4366	
	5% Trimmed Mean		72,2150	
	Median		60,0000	
	Variance		4861,525	

Std. Deviation	69,72464	
Minimum	3,60	
Maximum	375,00	
Range	371,40	
Interquartile Range	73,25	
Skewness	2,084	,289
Kurtosis	5,398	,570

Extreme Values

			Case Number	Value
anos_mpb	Highest	1	17	20,00
		2	57	20,00
		3	62	17,00
		4	66	17,00
		5	31	16,00(a)
	Lowest	1	24	2,00
		2	23	2,00
		3	14	2,00
		4	58	3,00
		5	56	3,00(b)
act_mpb	Highest	1	17	5
		2	30	5
		3	33	5
		4	41	5
		5	55	5(c)
	Lowest	1	26	1
		2	18	1
		3	14	1
		4	2	1
		5	68	2(d)
área	Highest	1	1	2360
		2	46	690
		3	15	625
		4	32	600
		5	33	600(e)
	Lowest	1	58	10
		2	65	35
		3	18	43
		4	29	60
		5	48	70(f)
prod_finais	Highest	1	11	4
		2	12	4
		3	62	4
		4	3	3
		5	10	3(g)

técnicas	Lowest	1	68	1
		2	65	1
		3	64	1
		4	61	1
		5	60	1(h)
	Highest	1	1	5,00
		2	9	5,00
		3	11	5,00
		4	25	5,00
		5	56	5,00(i)
dificuldades	Lowest	1	40	1,00
		2	39	1,00
		3	69	2,00
		4	67	2,00
		5	65	2,00(j)
	Highest	1	54	12,00
		2	3	11,00
		3	30	11,00
		4	36	11,00
		5	66	11,00(k)
UTATotal	Lowest	1	29	2,00
		2	5	3,00
		3	4	3,00
		4	2	3,00
		5	56	4,00(l)
	Highest	1	1	10,98
		2	34	7,25
		3	67	7,04
		4	32	5,25
		5	57	5,25
CNRumR	Lowest	1	64	,19
		2	18	,30
		3	31	,42
		4	52	,45
		5	65	,50(m)
	Highest	1	1	375,00
		2	32	294,00
		3	34	293,25
		4	67	217,50
		5	68	175,00
Lowest	1	18	3,60	
	2	64	5,25	
	3	65	8,00	
	4	48	13,05	
	5	58	15,80	

a Only a partial list of cases with the value 16,00 are shown in the table of upper extremes.

b Only a partial list of cases with the value 3,00 are shown in the table of lower extremes.

c Only a partial list of cases with the value 5 are shown in the table of upper extremes.

- d Only a partial list of cases with the value 2 are shown in the table of lower extremes.
- e Only a partial list of cases with the value 600 are shown in the table of upper extremes.
- f Only a partial list of cases with the value 70 are shown in the table of lower extremes.
- g Only a partial list of cases with the value 3 are shown in the table of upper extremes.
- h Only a partial list of cases with the value 1 are shown in the table of lower extremes.
- i Only a partial list of cases with the value 5,00 are shown in the table of upper extremes.
- j Only a partial list of cases with the value 2,00 are shown in the table of lower extremes.
- k Only a partial list of cases with the value 11,00 are shown in the table of upper extremes.
- l Only a partial list of cases with the value 4,00 are shown in the table of lower extremes.
- m Only a partial list of cases with the value ,50 are shown in the table of lower extremes.

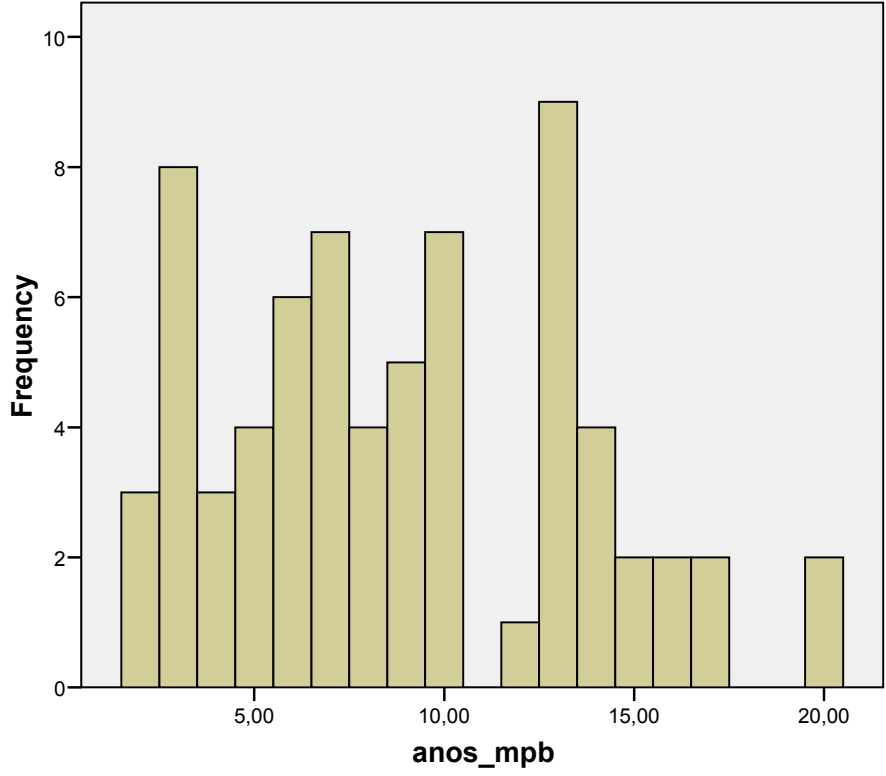
Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
anos_mpb	,116	69	,023	,953	69	,011
act_mpb	,248	69	,000	,877	69	,000
área	,186	69	,000	,584	69	,000
prod_finais	,233	69	,000	,829	69	,000
técnicas	,216	69	,000	,901	69	,000
dificuldades	,100	69	,083	,975	69	,186
UTATotal	,200	69	,000	,745	69	,000
CNRumR	,158	69	,000	,802	69	,000

a Lilliefors Significance Correction

anos_mpb

Histogram

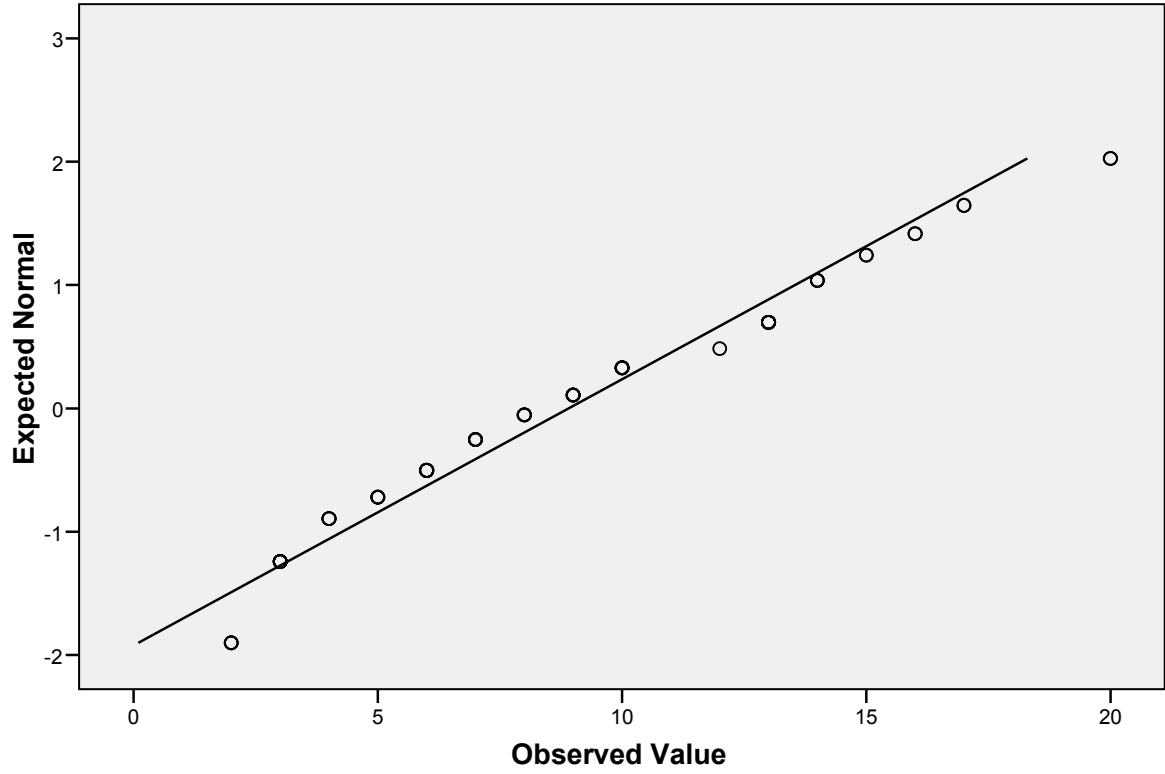


Mean =8,91
 Std. Dev. =4,633
 N =69

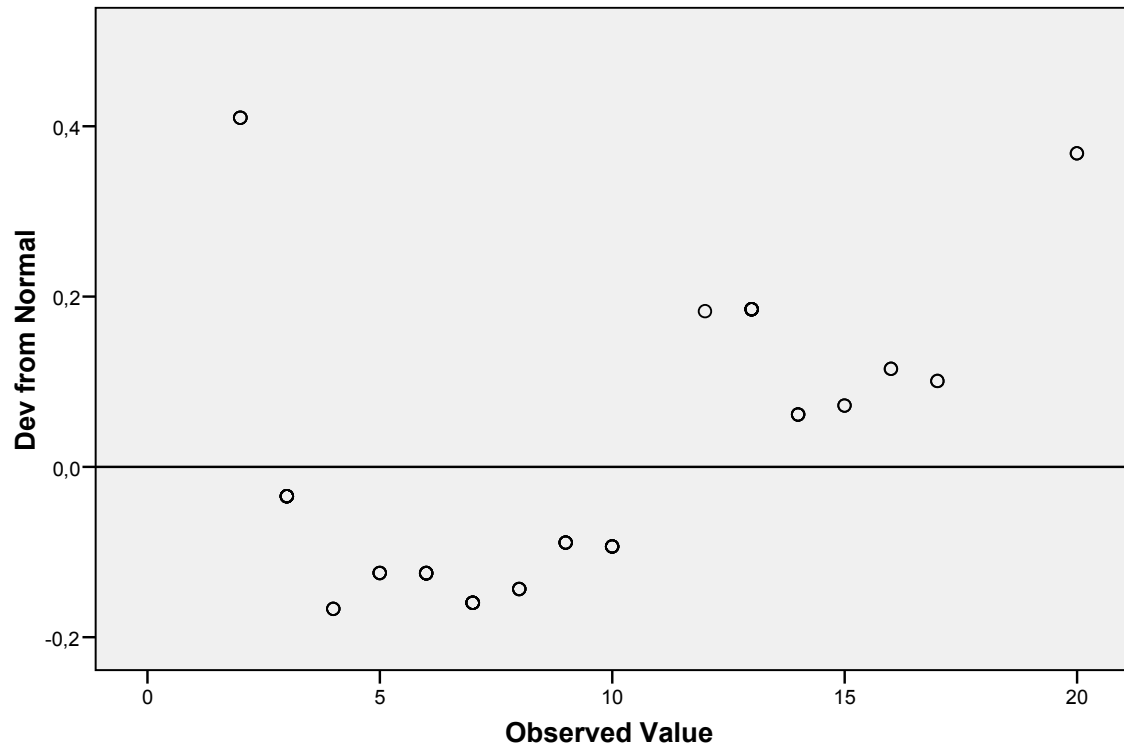
anos_mpb Stem-and-Leaf Plot

Frequency	Stem & Leaf
14,00	0 . 22233333333444
26,00	0 . 5555666666777777888899999
21,00	1 . 0000002333333334444
6,00	1 . 556677
2,00	2 . 00
Stem width:	10,00
Each leaf:	1 case(s)

Normal Q-Q Plot of anos_mpb



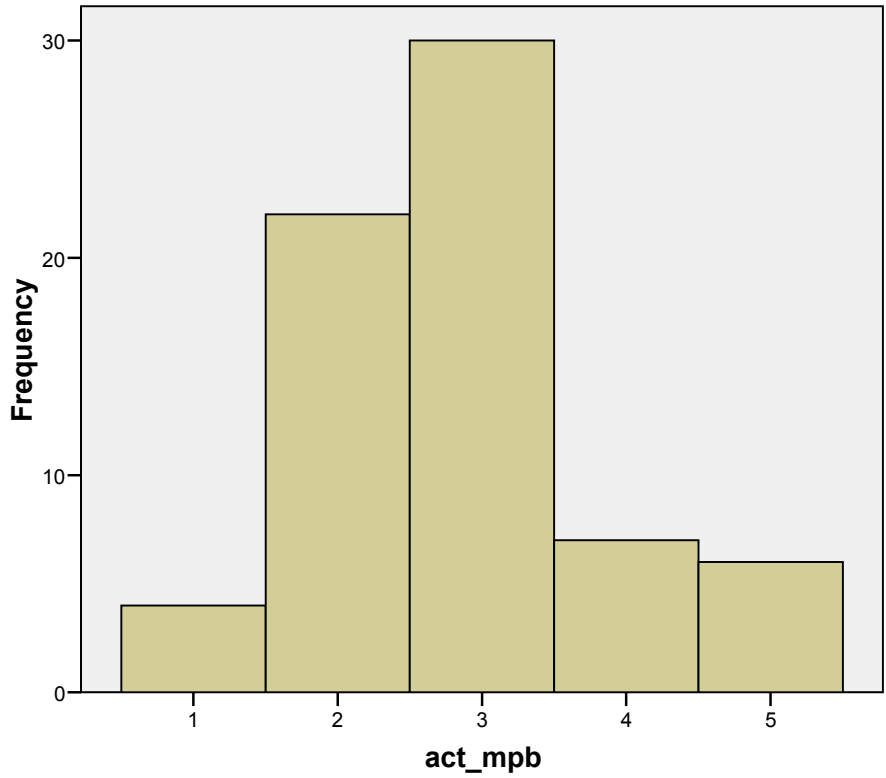
Detrended Normal Q-Q Plot of anos_mpb





Act_mpb

Histogram



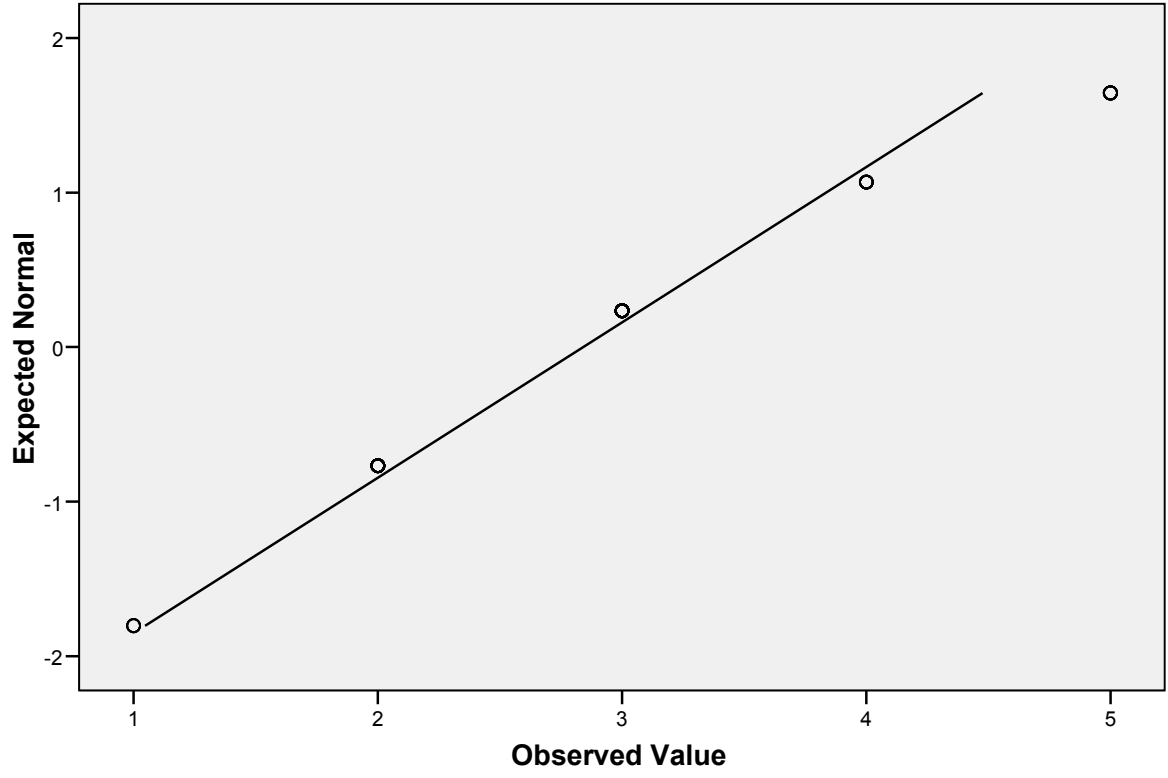
Mean =2,84
Std. Dev. =0,994
N =69

act_mpb Stem-and-Leaf Plot

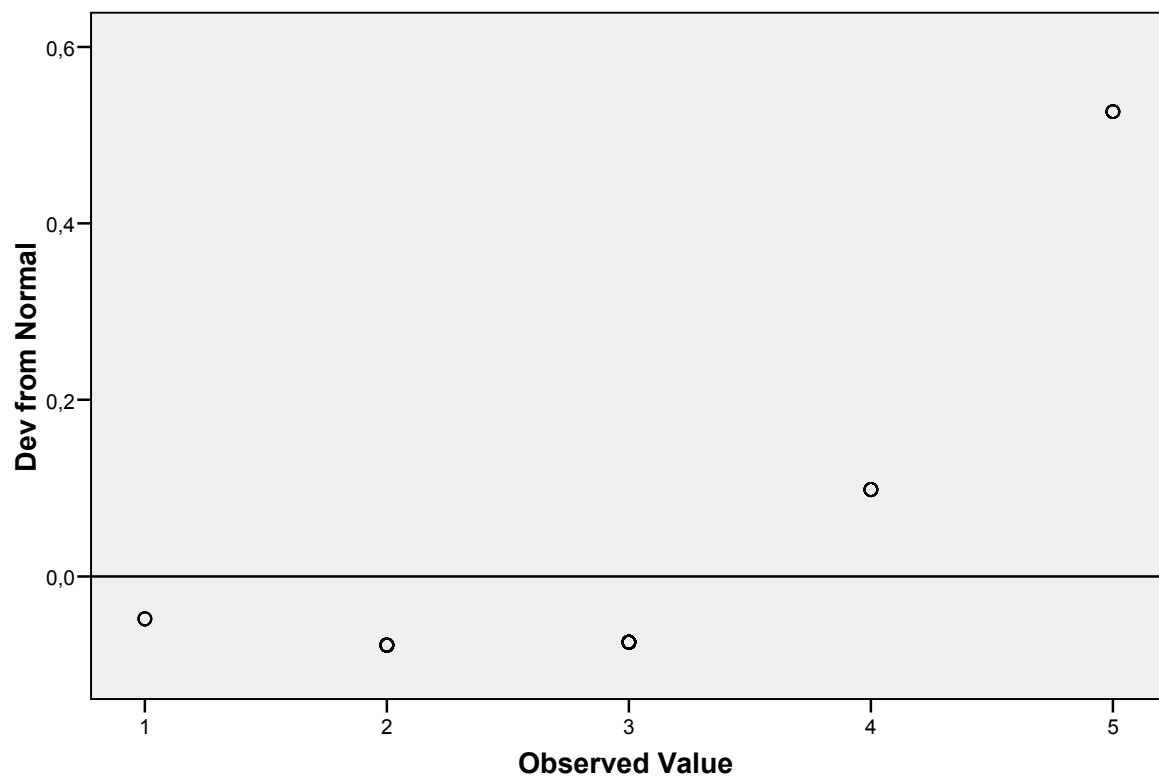
Frequency	Stem &	Leaf
4,00	1 .	0000
,00	1 .	
22,00	2 .	0000000000000000000000
,00	2 .	
30,00	3 .	000000000000000000000000000000
,00	3 .	
7,00	4 .	0000000
6,00	Extremes	(>=5,0)

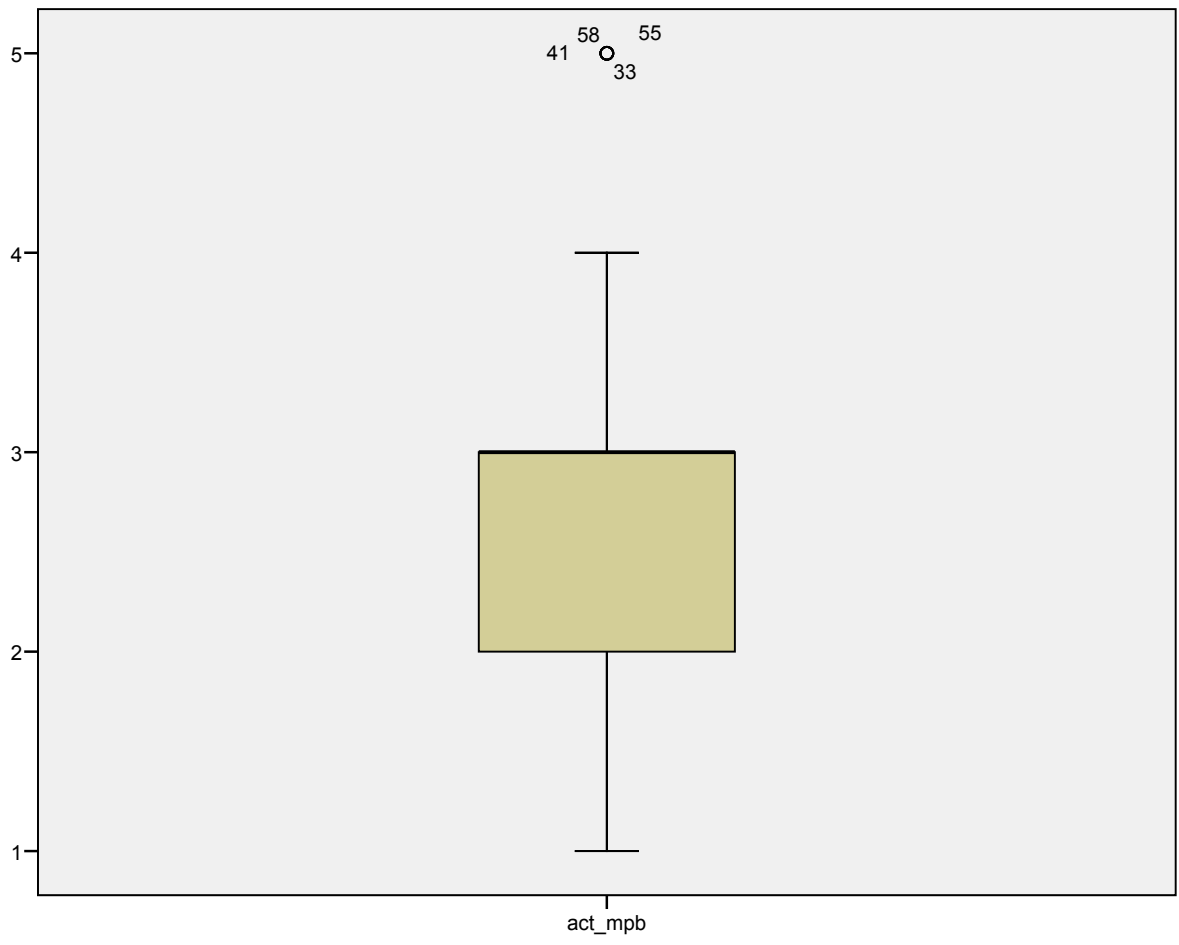
Stem width: 1
Each leaf: 1 case(s)

Normal Q-Q Plot of act_mpb



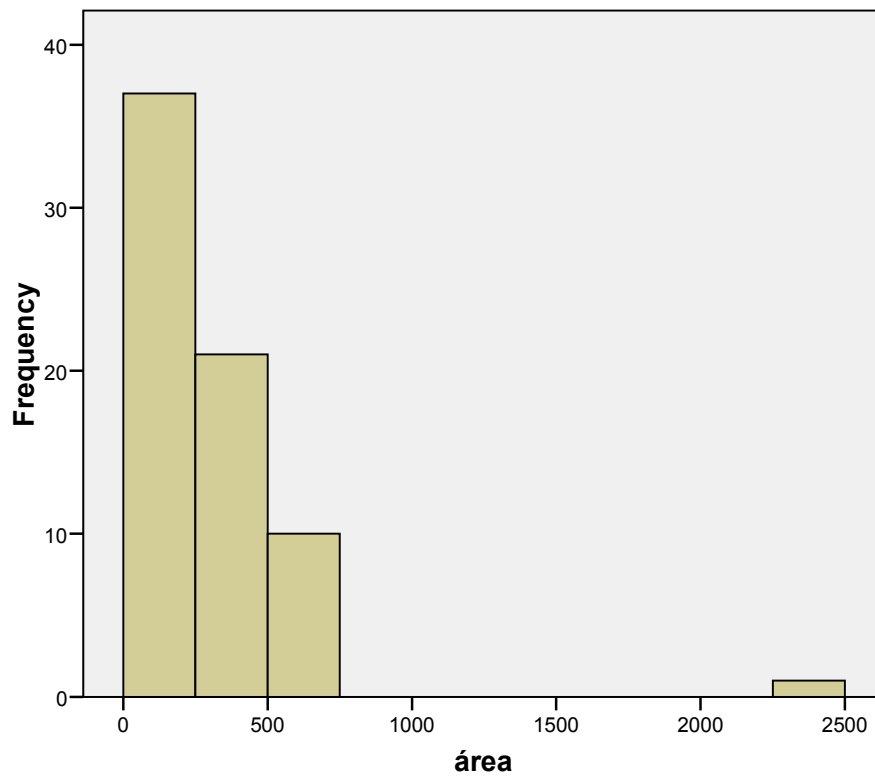
Detrended Normal Q-Q Plot of act_mpb





Área

Histogram



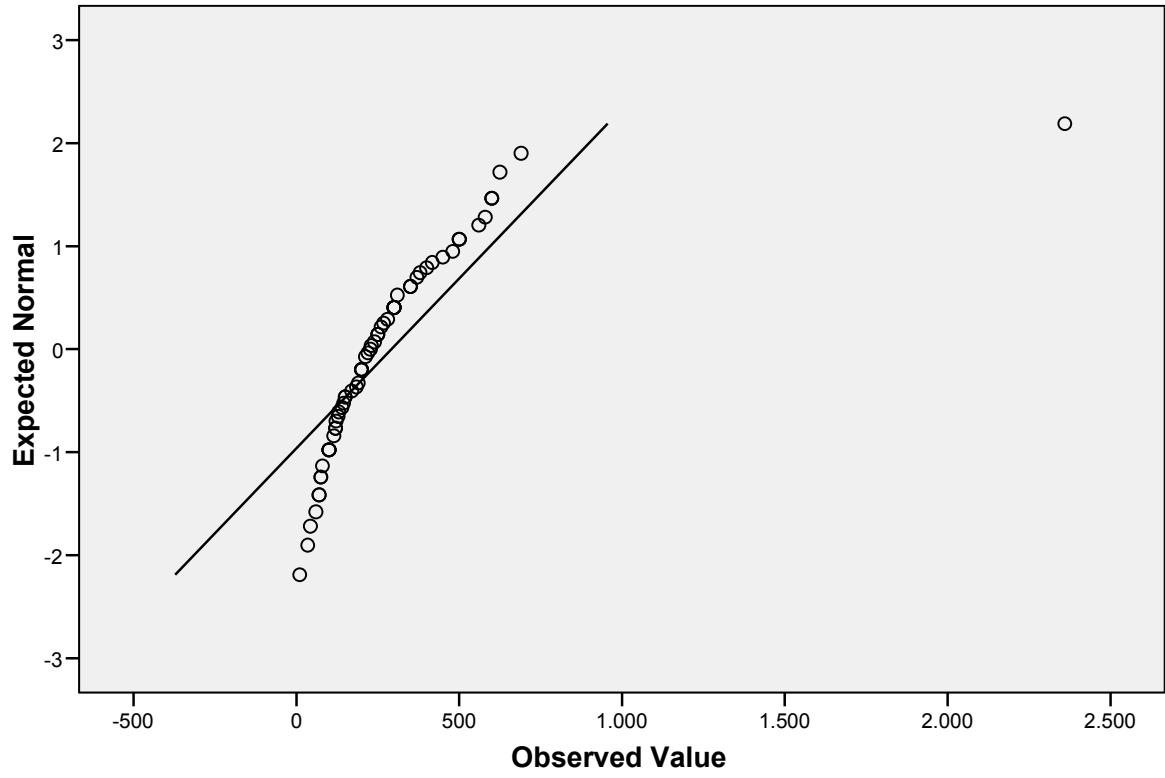
Mean =291,9
Std. Dev. =303,133
N =69

área Stem-and-Leaf Plot

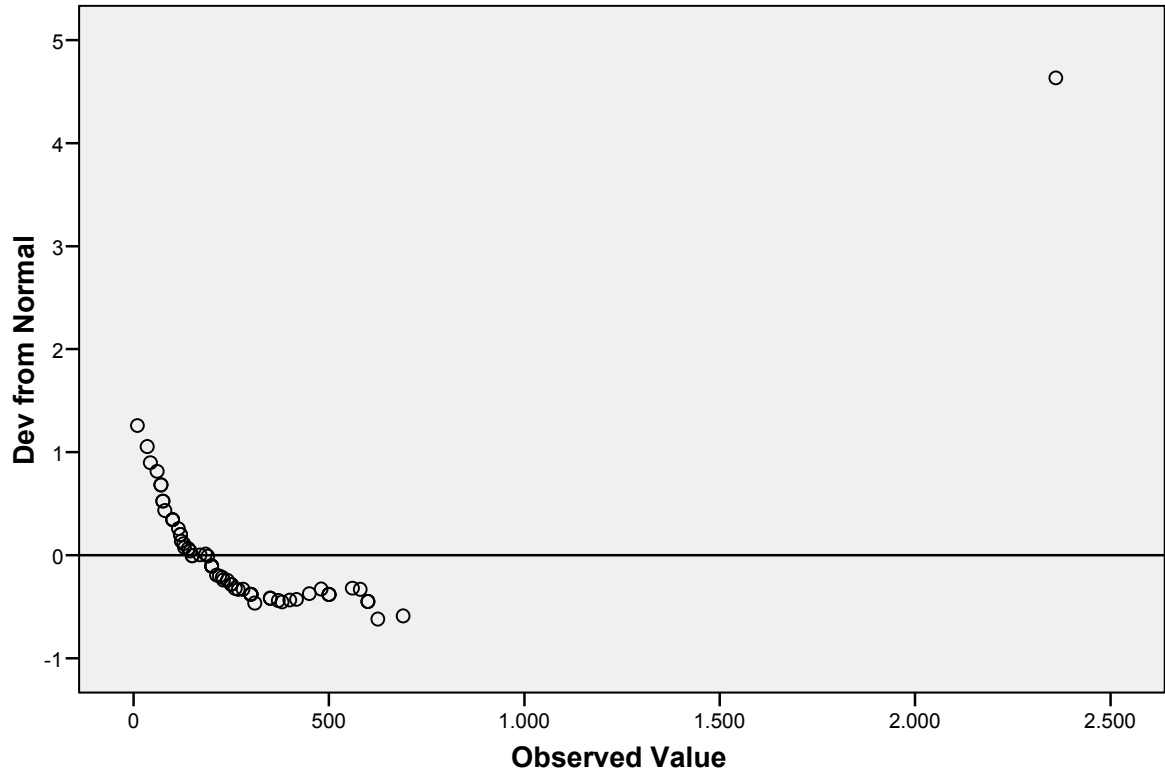
Frequency	Stem & Leaf
9,00	0 . 134677778
17,00	1 . 00001222234455789
17,00	2 . 00000012234555668
11,00	3 . 00000155578
4,00	4 . 0158
5,00	5 . 00068
4,00	6 . 0002
2,00	Extremes (>=690)

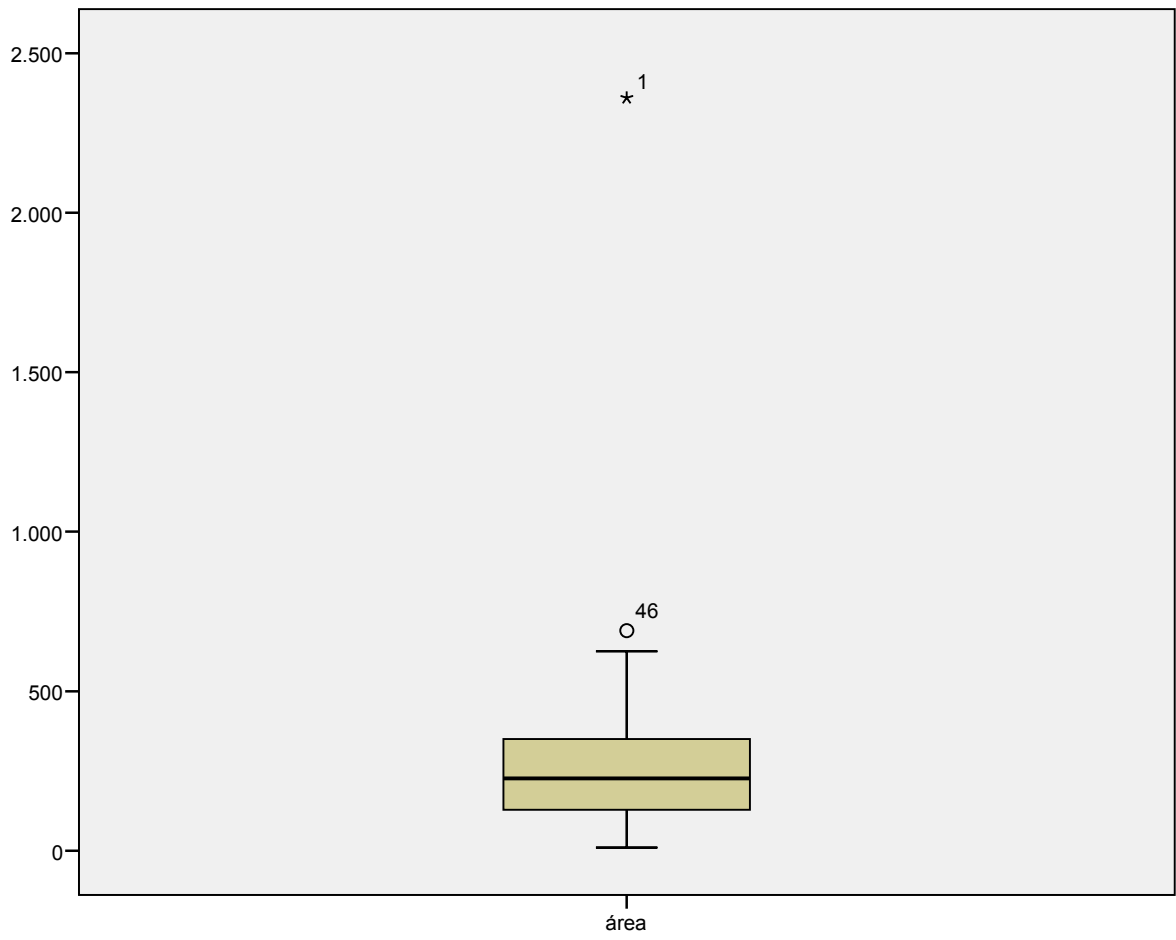
Stem width: 100
Each leaf: 1 case(s)

Normal Q-Q Plot of área



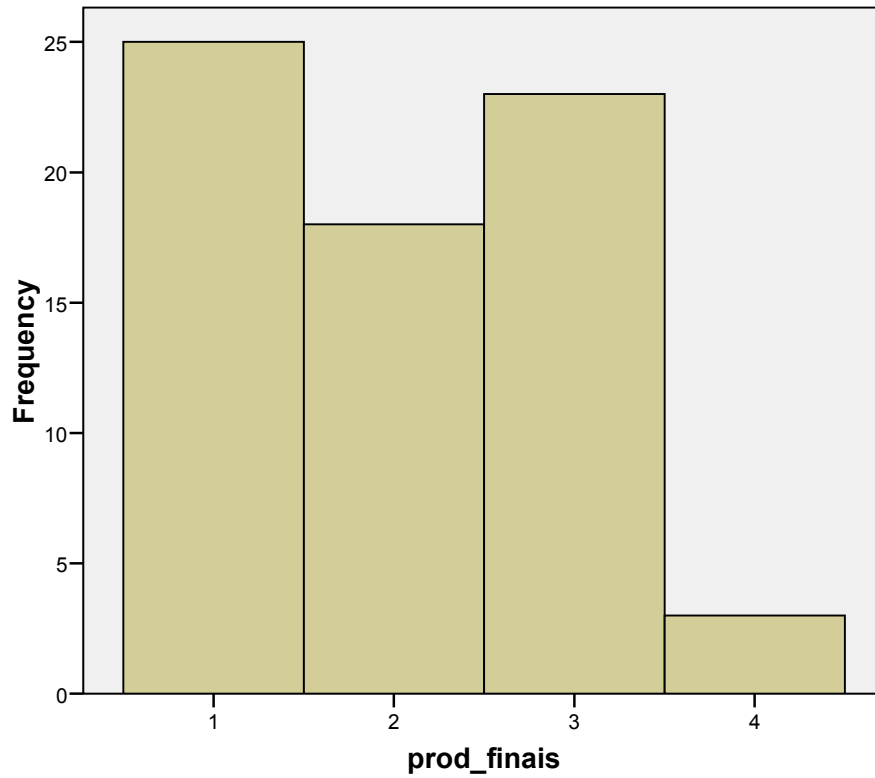
Detrended Normal Q-Q Plot of área





Prod_finais

Histogram

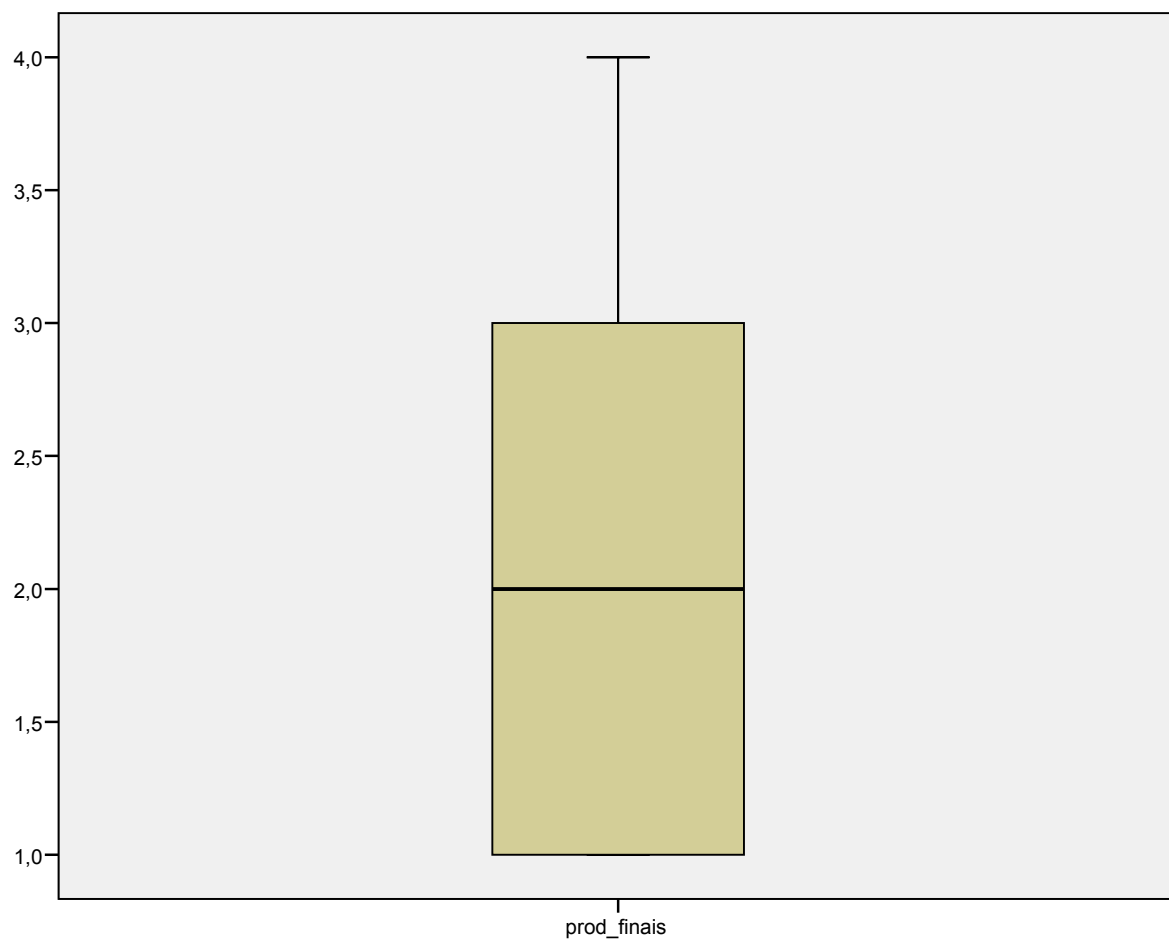


Mean =2,06
Std. Dev. =0,938
N =69

prod_finais Stem-and-Leaf Plot

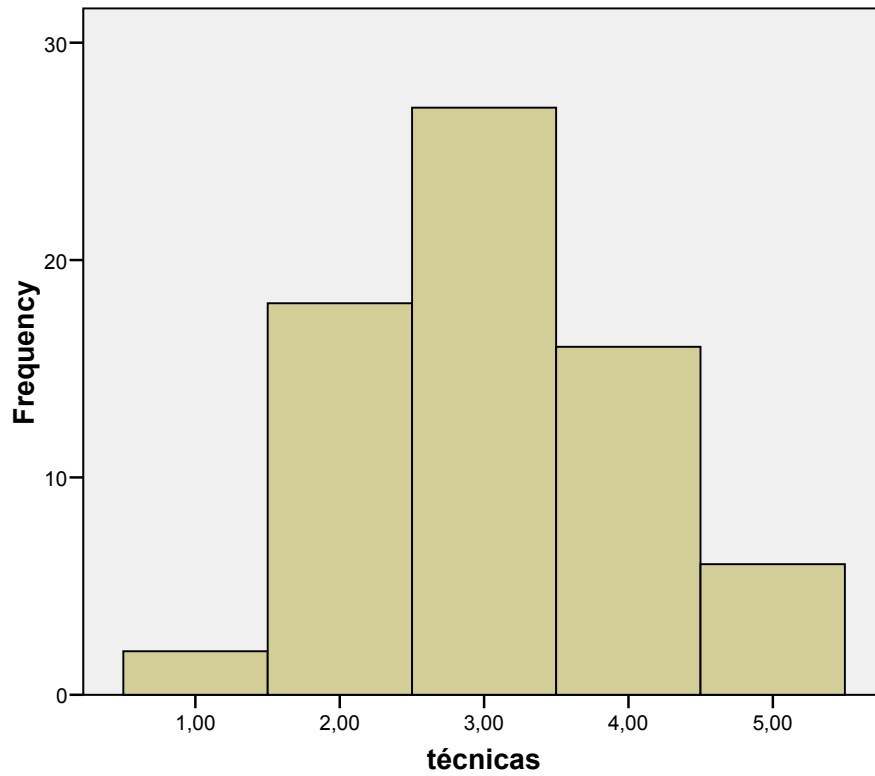
Frequency	Stem &	Leaf
25,00	1 .	000000000000000000000000
,00	1 .	
18,00	2 .	000000000000000000
,00	2 .	
23,00	3 .	00000000000000000000
,00	3 .	
3,00	4 .	000

Stem width: 1
Each leaf: 1 case(s)



Técnicas

Histogram



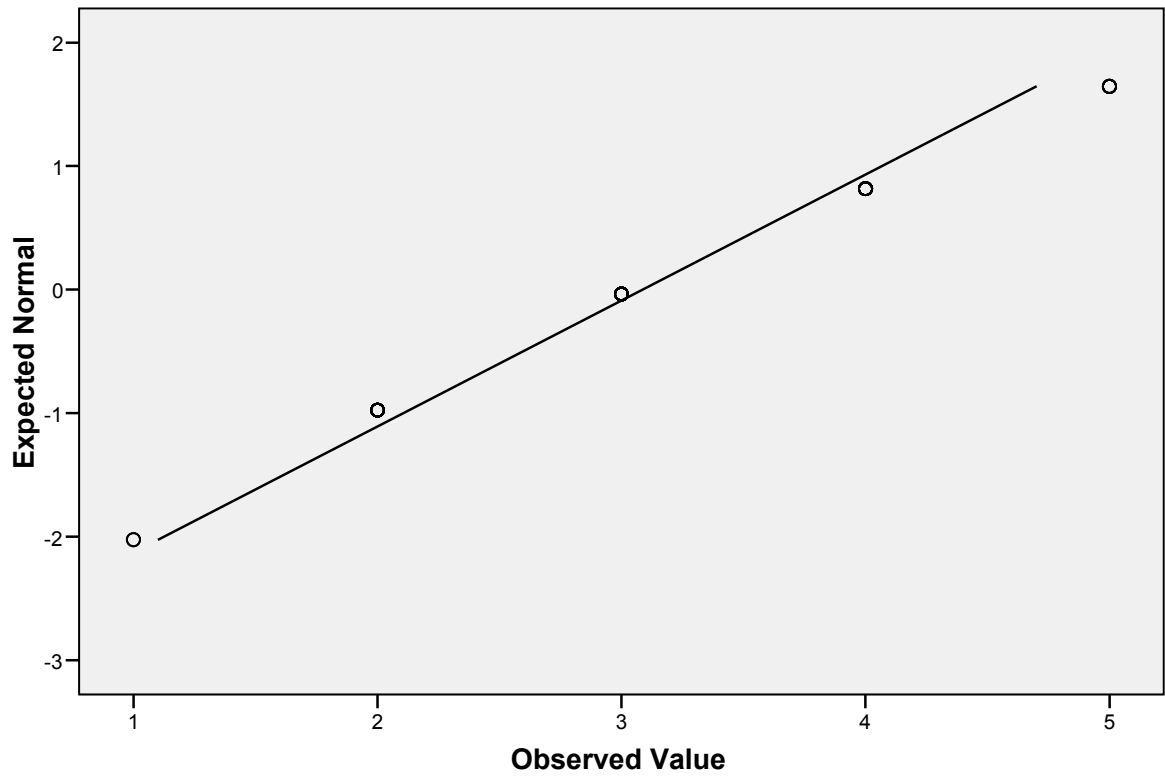
Mean =3,09
Std. Dev. =0,981
N =69

técnicas Stem-and-Leaf Plot

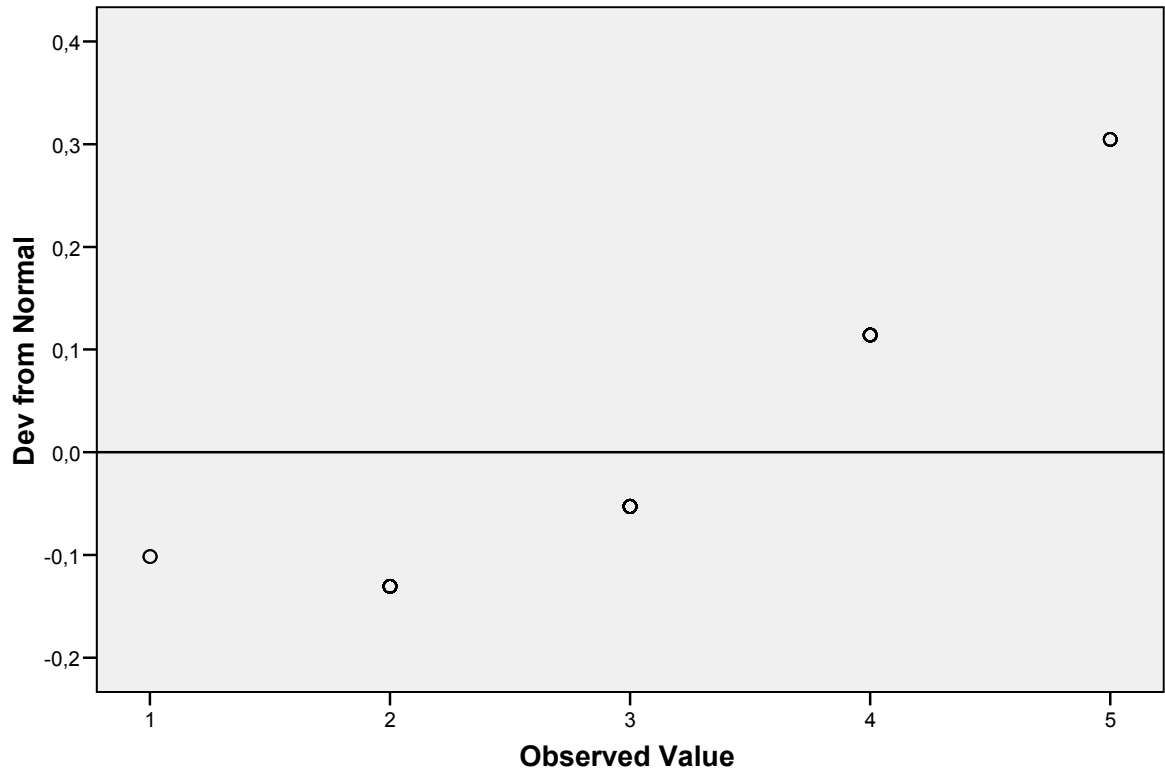
Frequency	Stem & Leaf
2,00	1 . 00
,00	1 .
18,00	2 . 000000000000000000
,00	2 .
27,00	3 . 000000000000000000000000000000
,00	3 .
16,00	4 . 000000000000000000
,00	4 .
6,00	5 . 000000

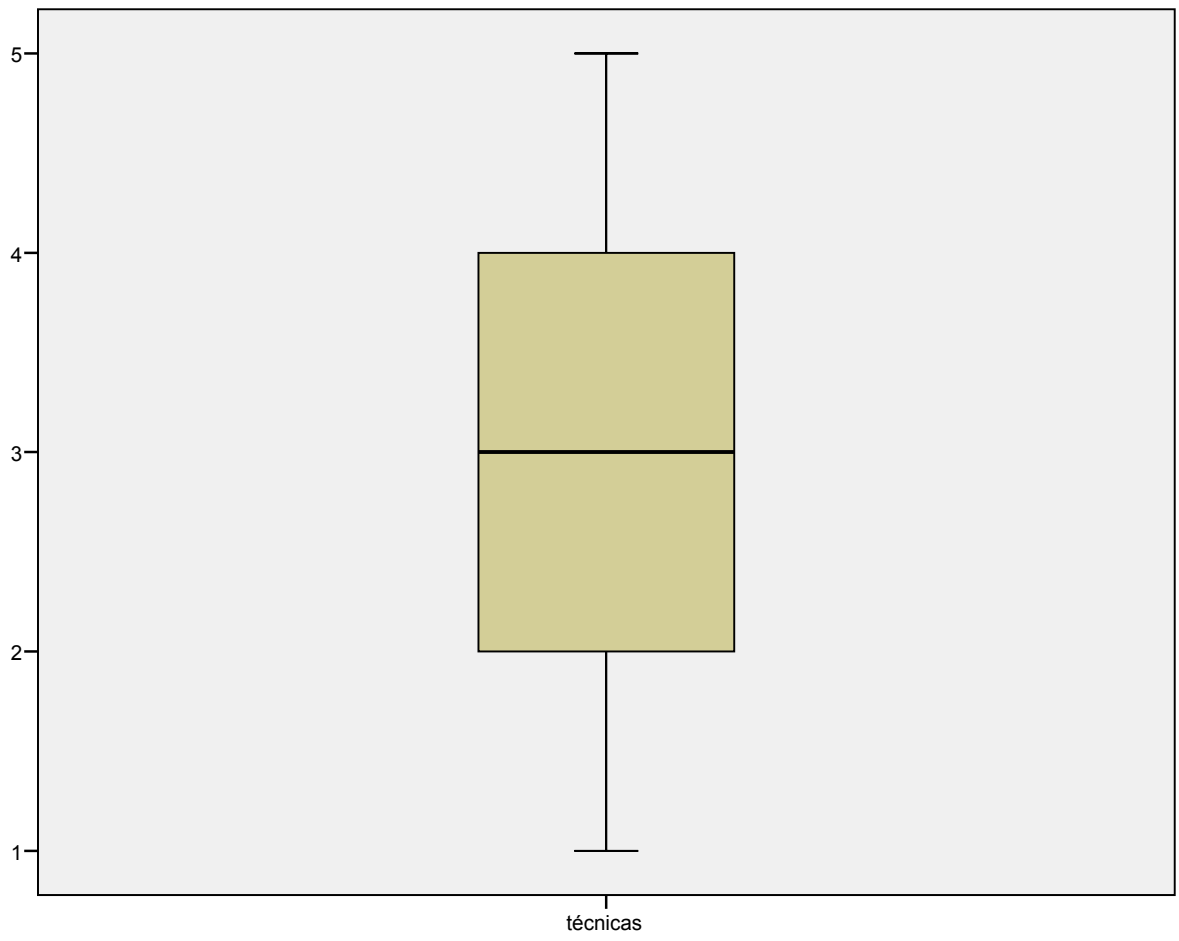
Stem width: 1,00
Each leaf: 1 case(s)

Normal Q-Q Plot of técnicas



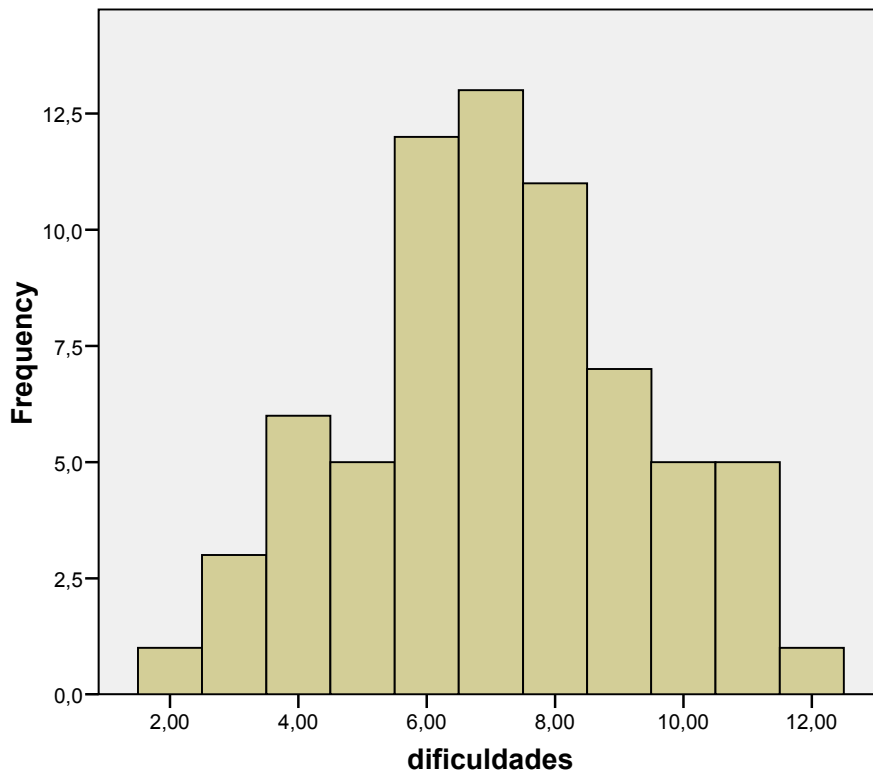
Detrended Normal Q-Q Plot of técnicas





Dificuldades

Histogram



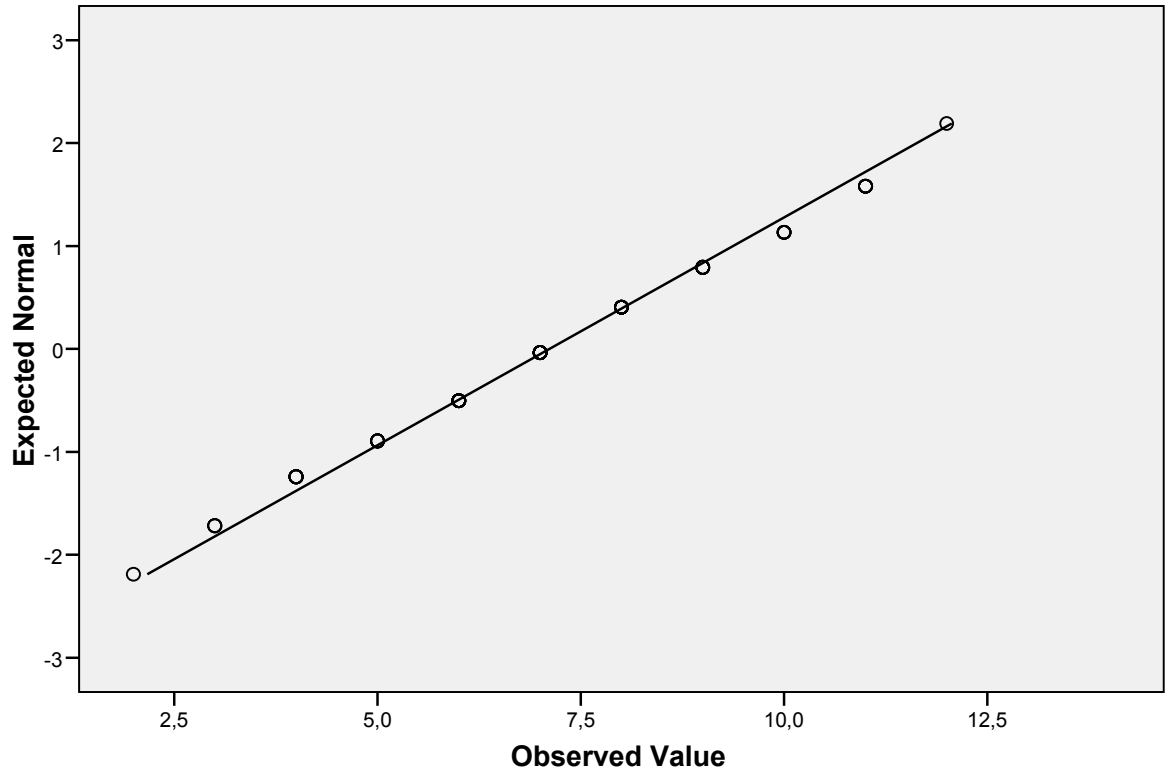
Mean =7,12
Std. Dev. =2,259
N =69

dificuldades Stem-and-Leaf Plot

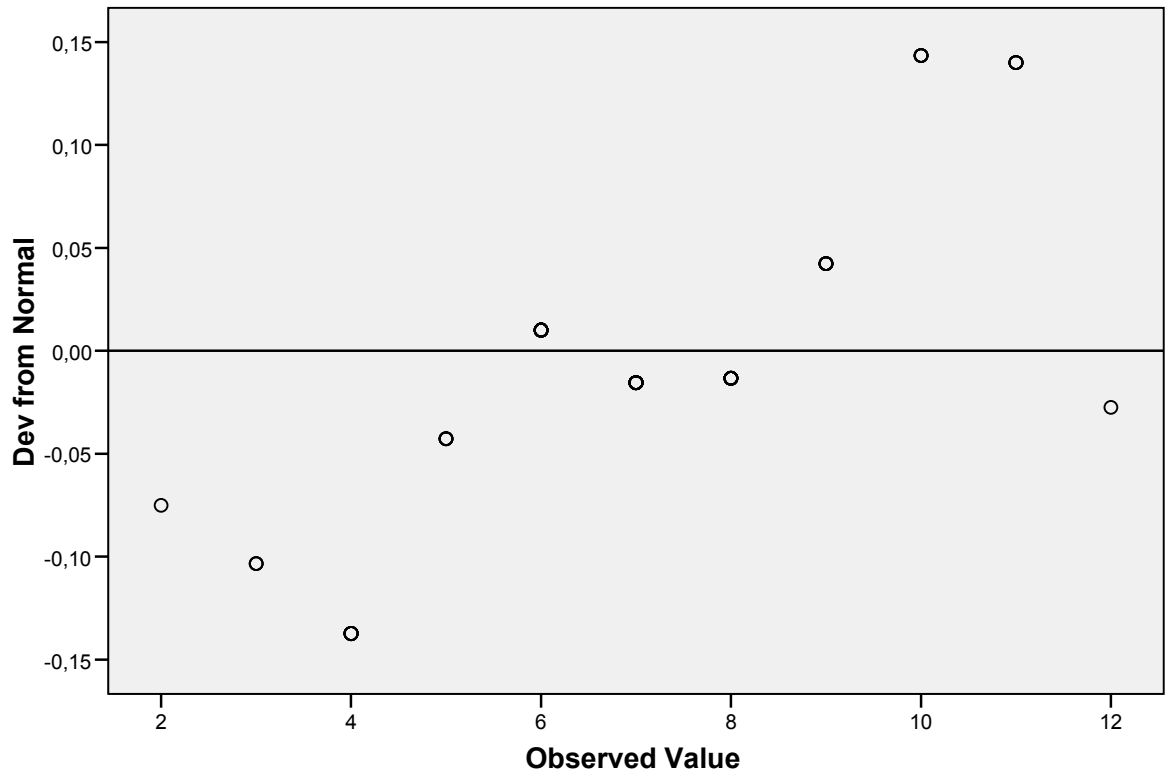
Frequency	Stem & Leaf
,00	0 .
4,00	0 . 2333
11,00	0 . 44444455555
25,00	0 . 666666666666777777777777
18,00	0 . 8888888888889999999
10,00	1 . 0000011111
1,00	1 . 2

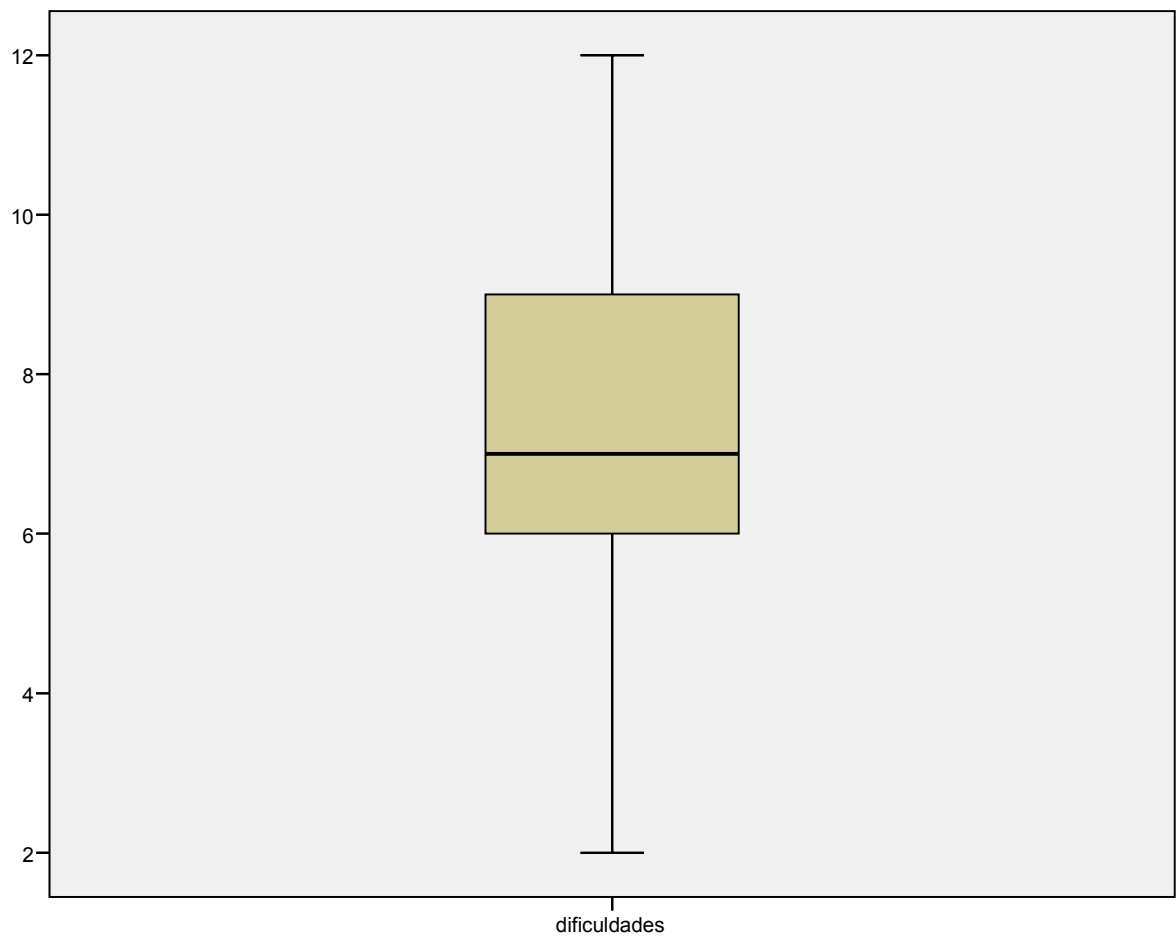
Stem width: 10,00
Each leaf: 1 case(s)

Normal Q-Q Plot of dificultades



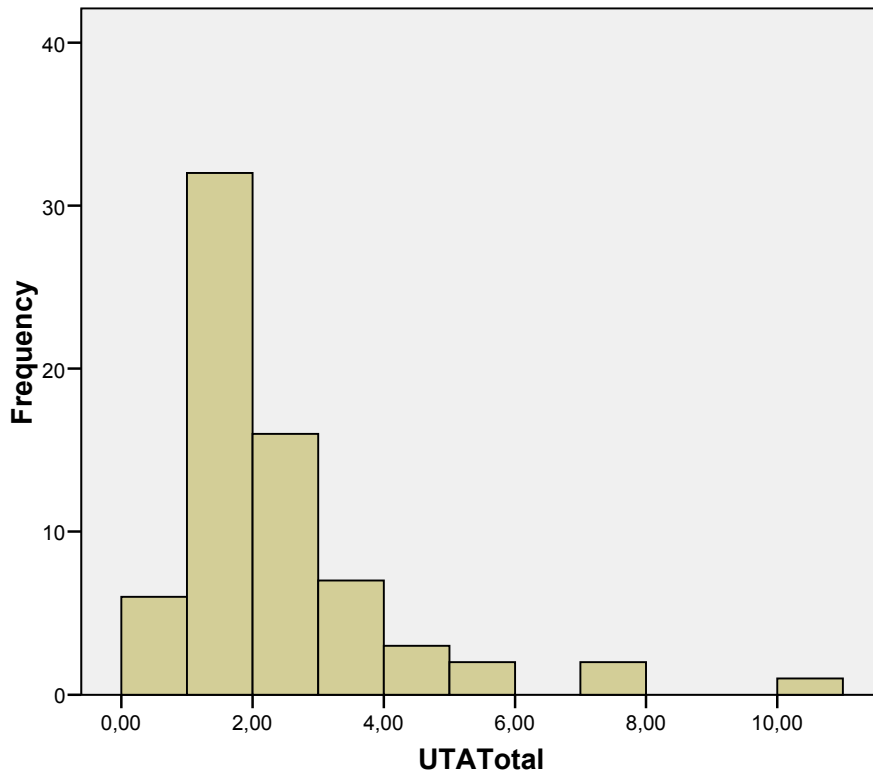
Detrended Normal Q-Q Plot of dificultades





UTA Total

Histogram



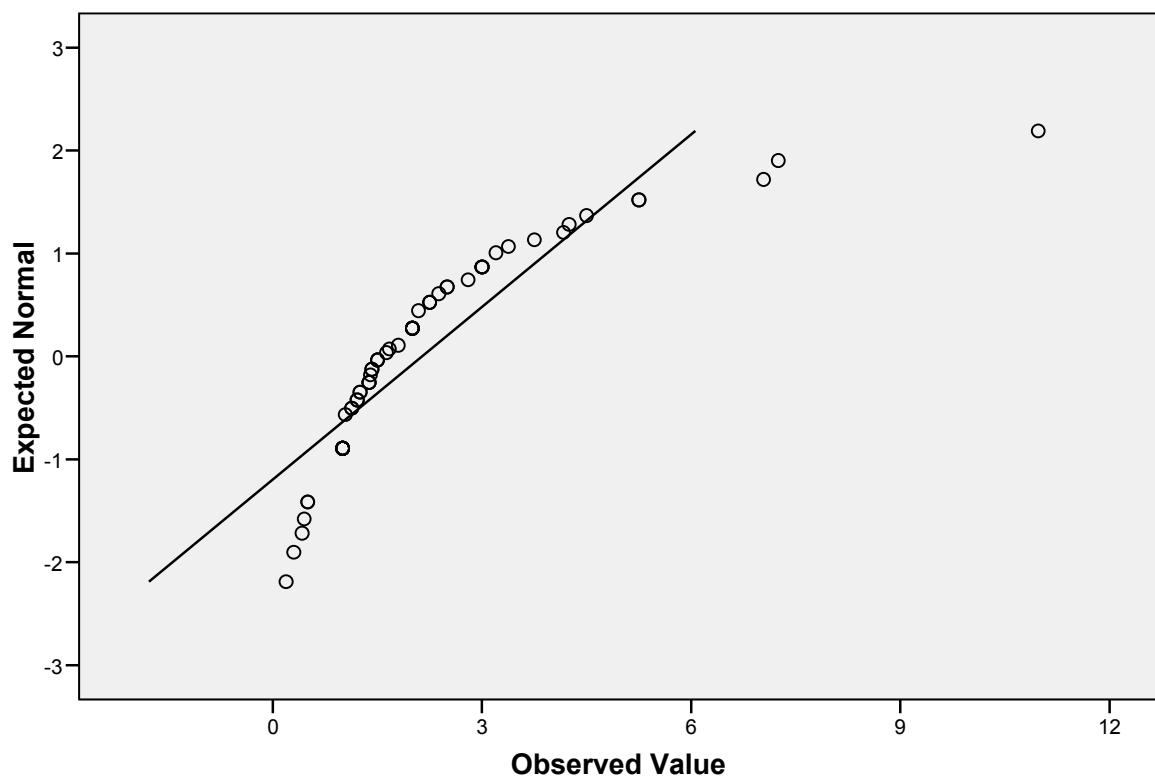
Mean =2,14
Std. Dev. =1,79
N =69

UTATotal Stem-and-Leaf Plot

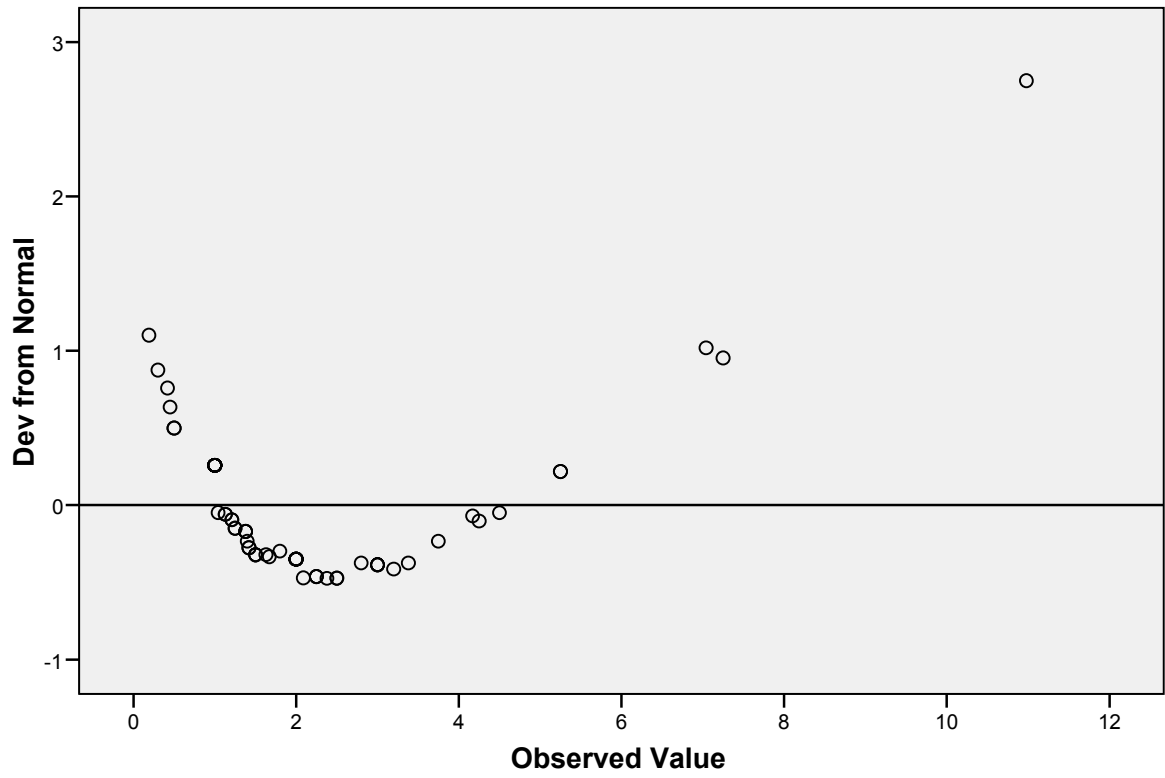
Frequency	Stem & Leaf
4,00	0 . 1344
2,00	0 . 55
26,00	1 . 00000000000000112222333444
6,00	1 . 555668
13,00	2 . 0000000002223
3,00	2 . 558
6,00	3 . 000023
1,00	3 . 7
2,00	4 . 12
1,00	4 . 5
5,00	Extremes (>=5,3)

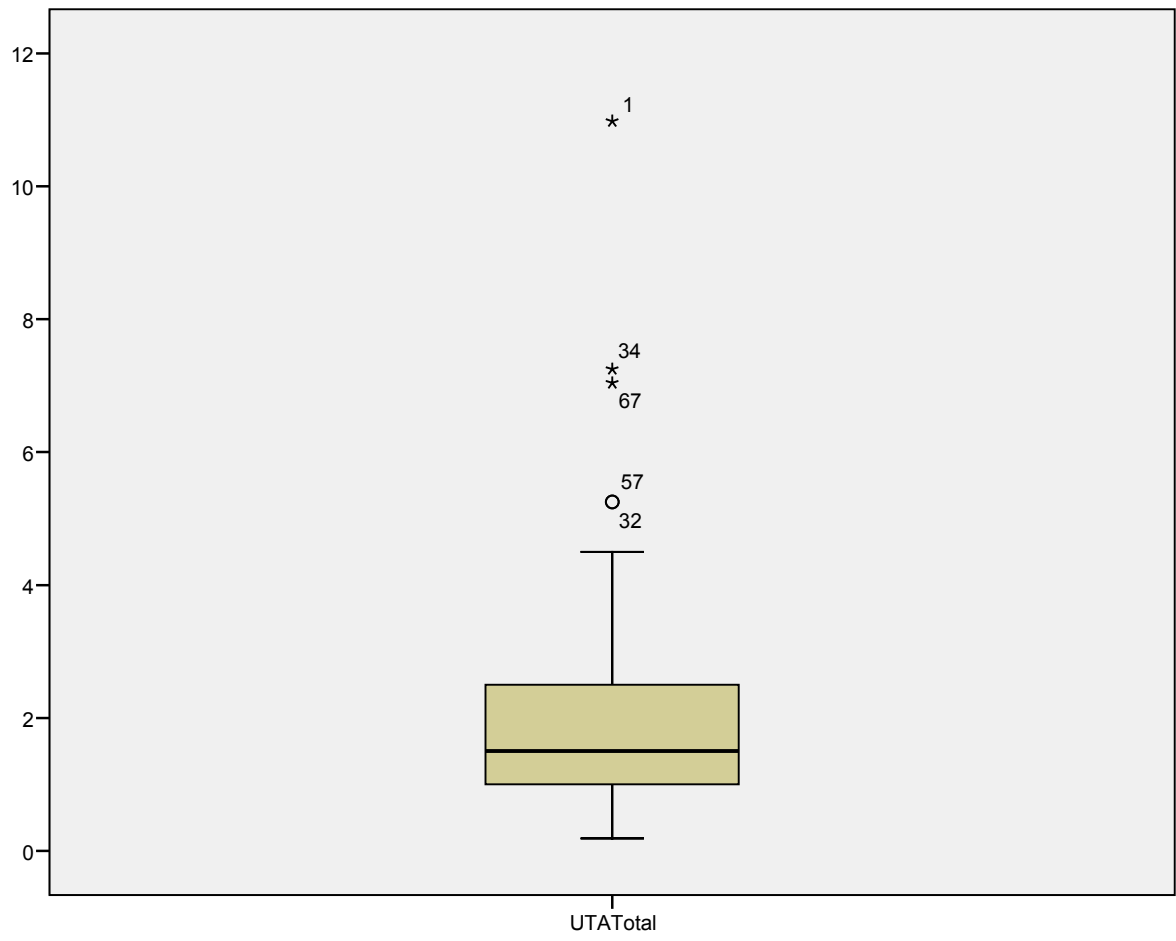
Stem width: 1,00
Each leaf: 1 case(s)

Normal Q-Q Plot of UTATotal



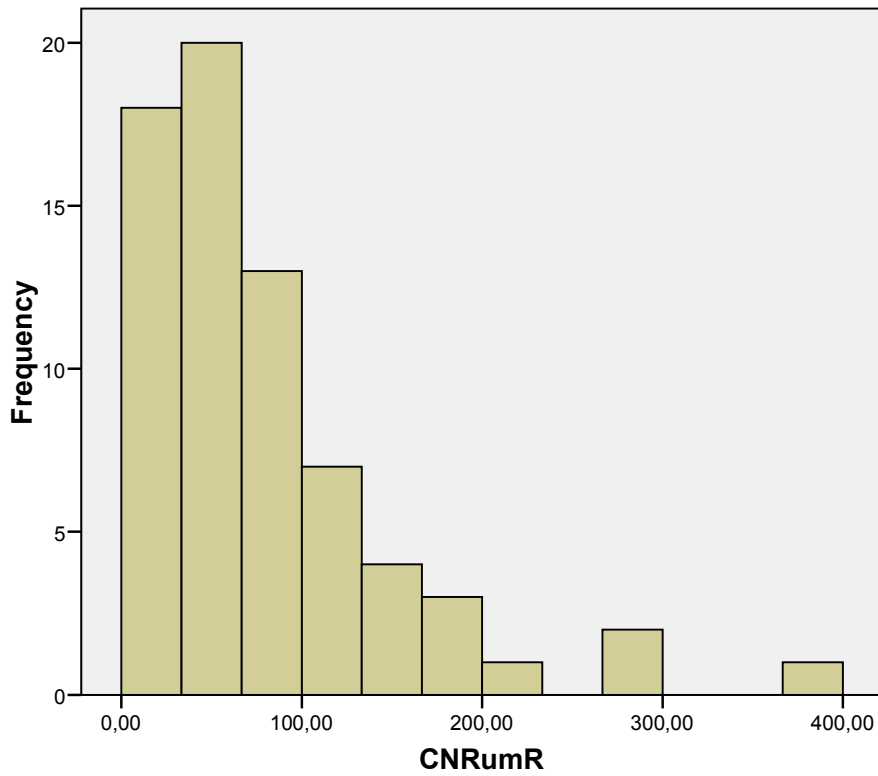
Detrended Normal Q-Q Plot of UTATotal





CNRumR

Histogram



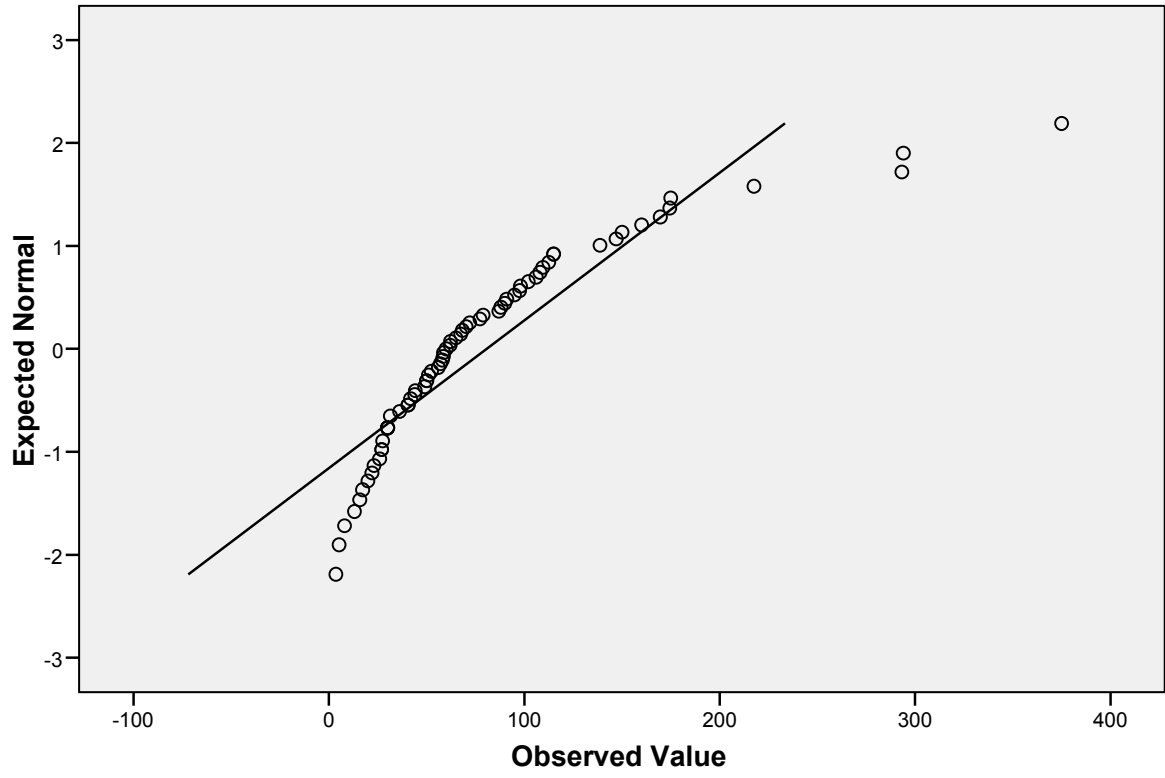
Mean =80,69
 Std. Dev. =69,725
 N =69

CNRumR Stem-and-Leaf Plot

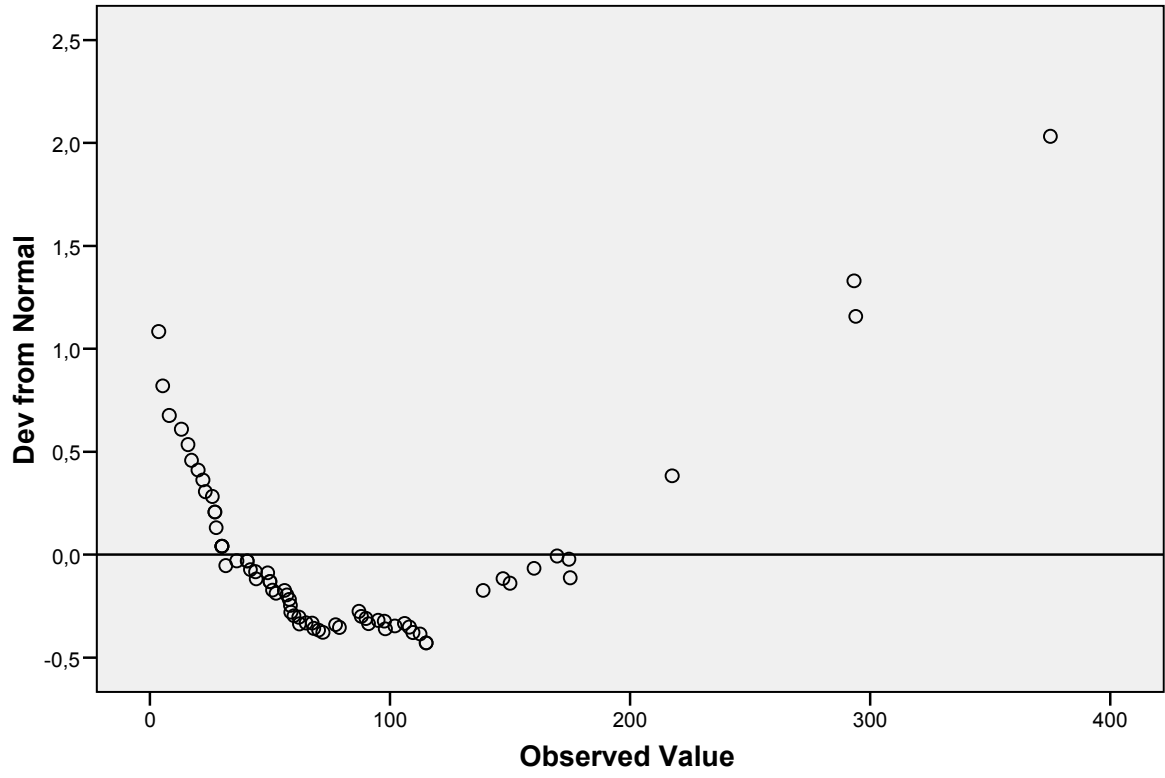
Frequency	Stem & Leaf
6,00	0 . 000111
13,00	0 . 222222333333
15,00	0 . 44444455555555
10,00	0 . 6666667777
7,00	0 . 8899999
7,00	1 . 0000111
1,00	1 . 3
2,00	1 . 45
4,00	1 . 6677
4,00	Extremes (>=218)

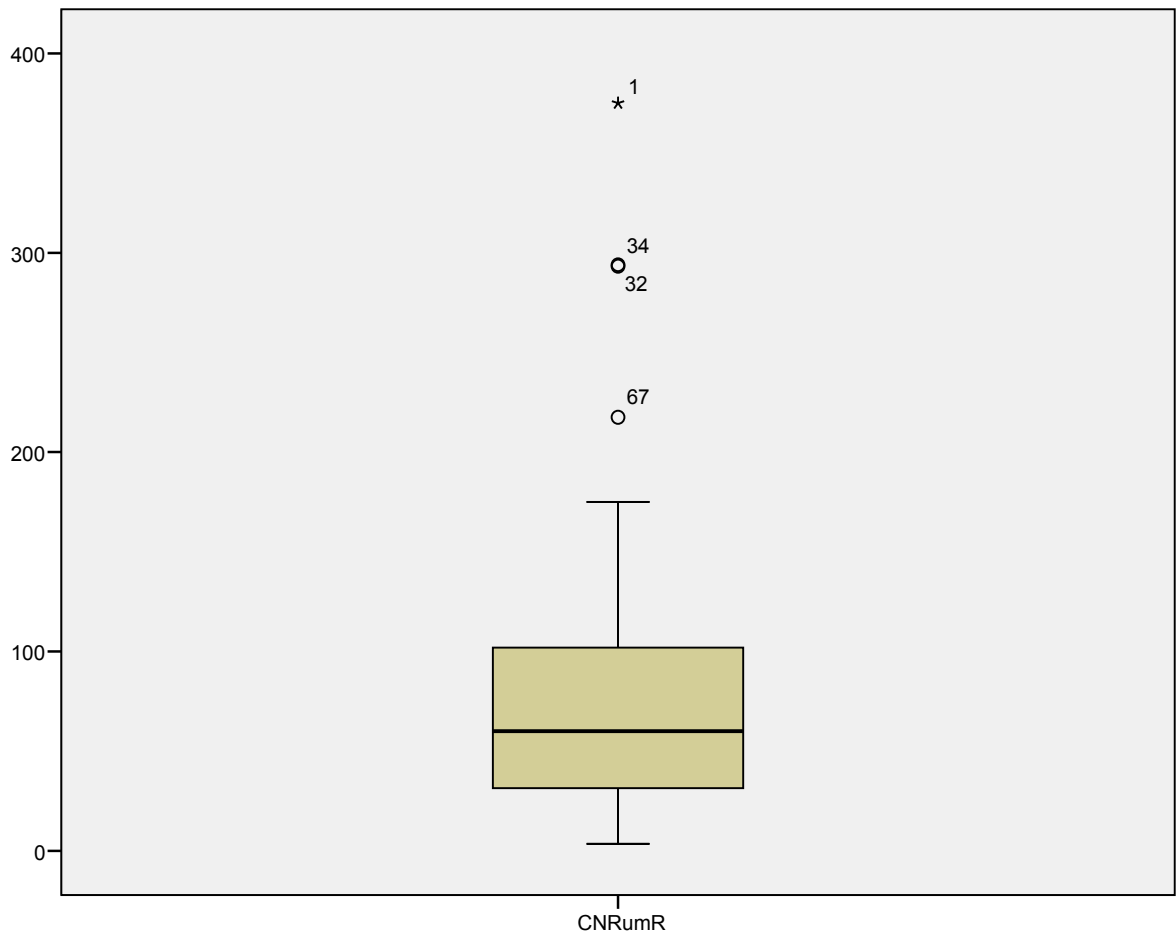
Stem width: 100,00
 Each leaf: 1 case(s)

Normal Q-Q Plot of CNRumR



Detrended Normal Q-Q Plot of CNRumR





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EXAMINE
VARIABLES=Zanos_mpb Zact_mpb Zprod_finais Ztécnicas
Zdificuldades
ZÁrea_transf ZUTAttransf ZCNRumtransf
/PLOT BOXPLOT STEMLEAF HISTOGRAM NPLOT
/COMPARE GROUP
/STATISTICS DESCRIPTIVES EXTREME
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

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Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Zscore(anos_mpb)	69	100,0%	0	,0%	69	100,0%
Zscore(act_mpb)	69	100,0%	0	,0%	69	100,0%
Zscore(prod_finais)	69	100,0%	0	,0%	69	100,0%
Zscore(técnicas)	69	100,0%	0	,0%	69	100,0%
Zscore(dificuldades)	69	100,0%	0	,0%	69	100,0%
Zscore(Área_transf)	69	100,0%	0	,0%	69	100,0%
Zscore(UTAttransf)	69	100,0%	0	,0%	69	100,0%
Zscore(CNRumtransf)	69	100,0%	0	,0%	69	100,0%

Descriptives

		Statistic	Std. Error	
Zscore(anos_mpb)	Mean	,0000000	,12038585	
	95% Confidence Interval for Mean	Lower Bound	-,2402262	
		Upper Bound	,2402262	
	5% Trimmed Mean	-,0364967		
	Median	-,1970821		
	Variance	1,000		
	Std. Deviation	1,0000000		
	Minimum	-1,49219		
	Maximum	2,39314		
	Range	3,88533		
	Interquartile Range	1,72681		
	Skewness	,409	,289	
	Kurtosis	-,637	,570	
	Zscore(act_mpb)	Mean	,0000000	,12038585
95% Confidence Interval for Mean		Lower Bound	-,2402262	

	Interval for Mean	Upper Bound		
			,2402262	
	5% Trimmed Mean		-,0178123	
	Median		,1603111	
	Variance		1,000	
	Std. Deviation		1,0000000	
			0	
	Minimum		-1,85086	
	Maximum		2,17149	
	Range		4,02235	
	Interquartile Range		1,00559	
	Skewness		,515	,289
	Kurtosis		,148	,570
Zscore(prod_finais)	Mean		,0000000	,12038585
	95% Confidence Interval for Mean	Lower Bound	-,2402262	
		Upper Bound	,2402262	
	5% Trimmed Mean		-,0446582	
	Median		-,0618345	
	Variance		1,000	
	Std. Deviation		1,0000000	
			0	
	Minimum		-1,12848	
	Maximum		2,07145	
	Range		3,19993	
	Interquartile Range		2,13329	
	Skewness		,213	,289
	Kurtosis		-1,222	,570
Zscore(técnicas)	Mean		,0000000	,12038585
	95% Confidence Interval for Mean	Lower Bound	-,2402262	
		Upper Bound	,2402262	
	5% Trimmed Mean		-,0139487	
	Median		-,0886152	
	Variance		1,000	
	Std. Deviation		1,0000000	
			0	
	Minimum		-2,12676	
	Maximum		1,94953	
	Range		4,07630	
	Interquartile Range		2,03815	
	Skewness		,206	,289
	Kurtosis		-,460	,570
Zscore(dificuldades)	Mean		,0000000	,12038585
	95% Confidence Interval for Mean	Lower Bound	-,2402262	
		Upper Bound	,2402262	
	5% Trimmed Mean		,0057022	
	Median		-,0513198	

	Variance		1,000	
	Std. Deviation		1,0000000	
			0	
	Minimum		-2,26449	
	Maximum		2,16185	
	Range		4,42634	
	Interquartile Range		1,32790	
	Skewness		-,006	,289
	Kurtosis		-,437	,570
Zscore(Área_transf)	Mean		,0000000	,12038585
	95% Confidence Interval for Mean	Lower Bound	-,2402262	
		Upper Bound	,2402262	
	5% Trimmed Mean		,0361162	
	Median		,0834051	
	Variance		1,000	
	Std. Deviation		1,0000000	
			0	
	Minimum		-3,65946	
	Maximum		2,89018	
	Range		6,54964	
	Interquartile Range		1,26788	
	Skewness		-,583	,289
	Kurtosis		2,181	,570
Zscore(UTAttransf)	Mean		,0000000	,12038585
	95% Confidence Interval for Mean	Lower Bound	-,2402262	
		Upper Bound	,2402262	
	5% Trimmed Mean		,0104692	
	Median		-,1311575	
	Variance		1,000	
	Std. Deviation		1,0000000	
			0	
	Minimum		-2,96757	
	Maximum		2,60149	
	Range		5,56905	
	Interquartile Range		1,25785	
	Skewness		-,148	,289
	Kurtosis		,944	,570
Zscore(CNRumtransf)	Mean		,0000000	,12038585
	95% Confidence Interval for Mean	Lower Bound	-,2402262	
		Upper Bound	,2402262	
	5% Trimmed Mean		,0378560	
	Median		,0457505	
	Variance		1,000	
	Std. Deviation		1,0000000	
			0	
	Minimum		-3,12919	

Maximum	2,11382	
Range	5,24301	
Interquartile Range	1,37521	
Skewness	-,620	,289
Kurtosis	1,056	,570

Extreme Values

			Case Number	Value
Zscore(anos_mpb)	Highest	1	17	2,39314
		2	57	2,39314
		3	62	1,74558
		4	66	1,74558
		5	31	1,52973(a)
	Lowest	1	24	-1,49219
		2	23	-1,49219
		3	14	-1,49219
		4	58	-1,27634
		5	56	-
Zscore(act_mpb)	Highest	1	17	2,17149
		2	30	2,17149
		3	33	2,17149
		4	41	2,17149
		5	55	2,17149(c)
	Lowest	1	26	-1,85086
		2	18	-1,85086
		3	14	-1,85086
		4	2	-1,85086
		5	68	-,84528(d)
Zscore(prod_finais)	Highest	1	11	2,07145
		2	12	2,07145
		3	62	2,07145
		4	3	1,00481
		5	10	1,00481(e)
	Lowest	1	68	-1,12848
		2	65	-1,12848
		3	64	-1,12848
		4	61	-1,12848
		5	60	-1,12848(f)
Zscore(técnicas)	Highest	1	1	1,94953
		2	9	1,94953
		3	11	1,94953
		4	25	1,94953

		5	56	1,94953(g)
	Lowest	1	40	-2,12676
		2	39	-2,12676
		3	69	-1,10769
		4	67	-1,10769
		5	65	-
Zscore(dificuldades)	Highest	1	54	1,10769(h)
		2	3	2,16185
		3	30	1,71921
		4	36	1,71921
		5	66	1,71921(i)
	Lowest	1	29	-2,26449
		2	5	-1,82185
		3	4	-1,82185
		4	2	-1,82185
		5	56	-1,37922(j)
Zscore(Área_transf)	Highest	1	1	2,89018
		2	46	1,41608
		3	15	1,29748
		4	32	1,24854
		5	33	1,24854(k)
	Lowest	1	58	-3,65946
		2	65	-2,15774
		3	18	-1,91098
		4	29	-1,51163
		5	48	-1,32684(l)
Zscore(UTAttransf)	Highest	1	1	2,60149
		2	34	2,03169
		3	67	1,99134
		4	32	1,58860
		5	57	1,58860
	Lowest	1	64	-2,96757
		2	18	-2,34054
		3	31	-1,87864
		4	52	-1,78393
		5	65	-
Zscore(CNRumtransf)	Highest	1	1	1,63930(m)
		2	32	2,11382
		3	34	1,83920
		4	34	1,83632
		4	67	1,49910
		5	68	1,25374
	Lowest	1	18	-3,12919
		2	64	-2,70341
		3	65	-2,22807
		4	48	-1,67584

5	58	-1,46005
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- a Only a partial list of cases with the value 1,52973 are shown in the table of upper extremes.
- b Only a partial list of cases with the value -1,27634 are shown in the table of lower extremes.
- c Only a partial list of cases with the value 2,17149 are shown in the table of upper extremes.
- d Only a partial list of cases with the value -,84528 are shown in the table of lower extremes.
- e Only a partial list of cases with the value 1,00481 are shown in the table of upper extremes.
- f Only a partial list of cases with the value -1,12848 are shown in the table of lower extremes.
- g Only a partial list of cases with the value 1,94953 are shown in the table of upper extremes.
- h Only a partial list of cases with the value -1,10769 are shown in the table of lower extremes.
- i Only a partial list of cases with the value 1,71921 are shown in the table of upper extremes.
- j Only a partial list of cases with the value -1,37922 are shown in the table of lower extremes.
- k Only a partial list of cases with the value 1,24854 are shown in the table of upper extremes.
- l Only a partial list of cases with the value -1,32684 are shown in the table of lower extremes.
- m Only a partial list of cases with the value -1,63930 are shown in the table of lower extremes.

Tests of Normality

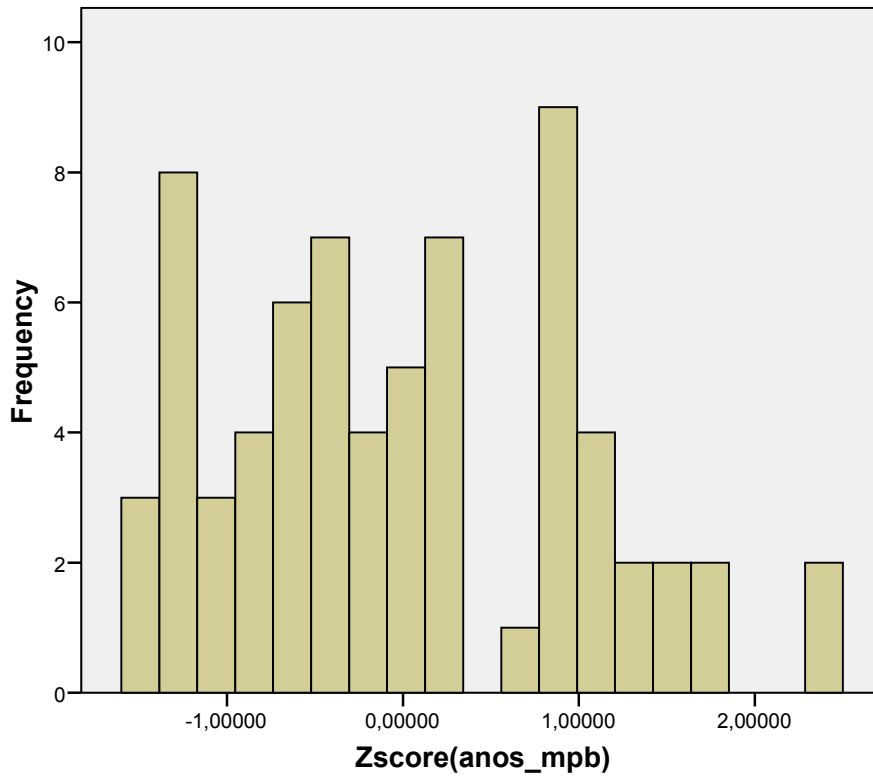
	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Zscore(anos_mpb)	,116	69	,023	,953	69	,011
Zscore(act_mpb)	,248	69	,000	,877	69	,000
Zscore(prod_finais)	,233	69	,000	,829	69	,000
Zscore(técnicas)	,216	69	,000	,901	69	,000
Zscore(dificuldades)	,100	69	,083	,975	69	,186
Zscore(Área_transf)	,096	69	,191	,962	69	,036
Zscore(UTAttransf)	,159	69	,000	,971	69	,103
Zscore(CNRumtransf)	,080	69	,200(*)	,973	69	,136

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Zscore(anos_mpb)

Histogram

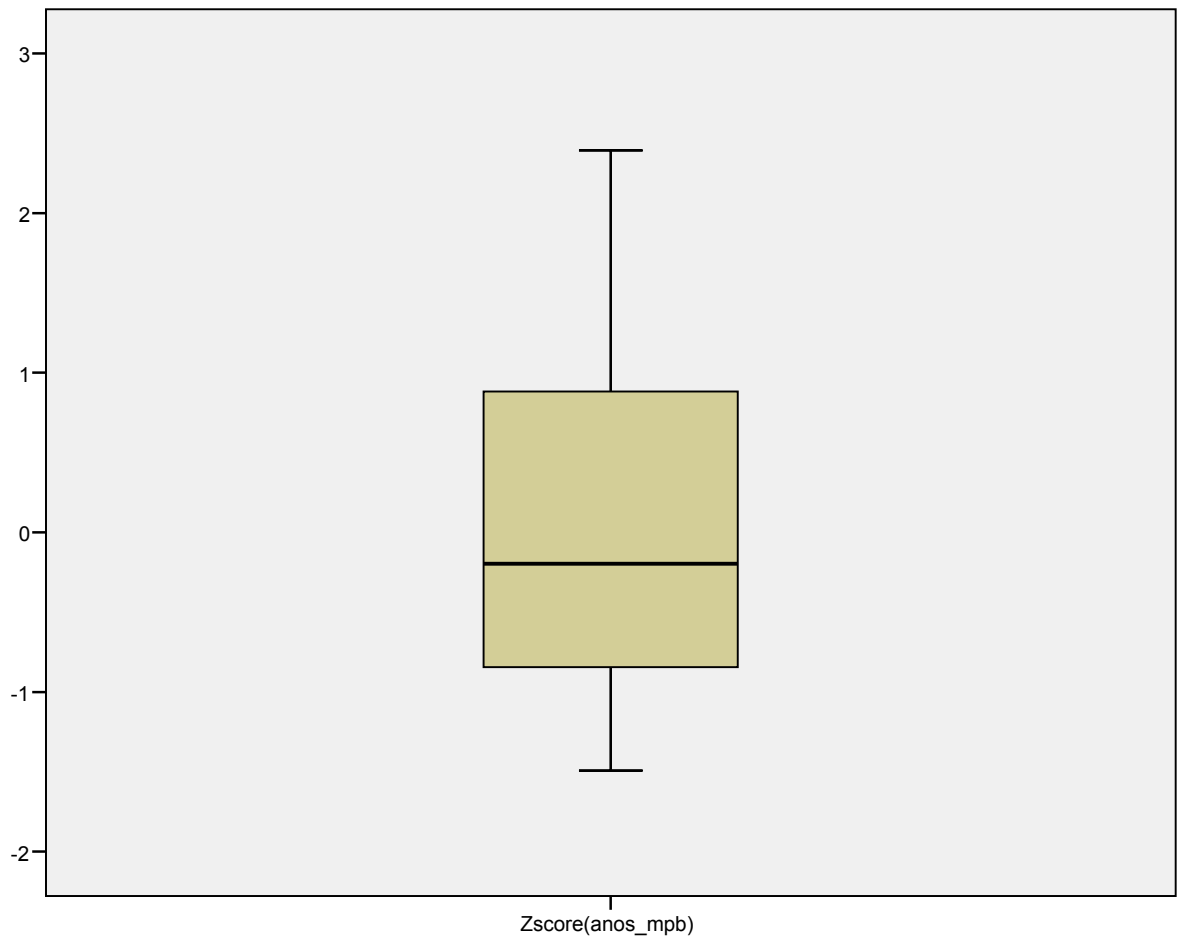


Mean =4,79E-16
 Std. Dev. =1,00000
 N =69

Zscore(anos_mpb) Stem-and-Leaf Plot

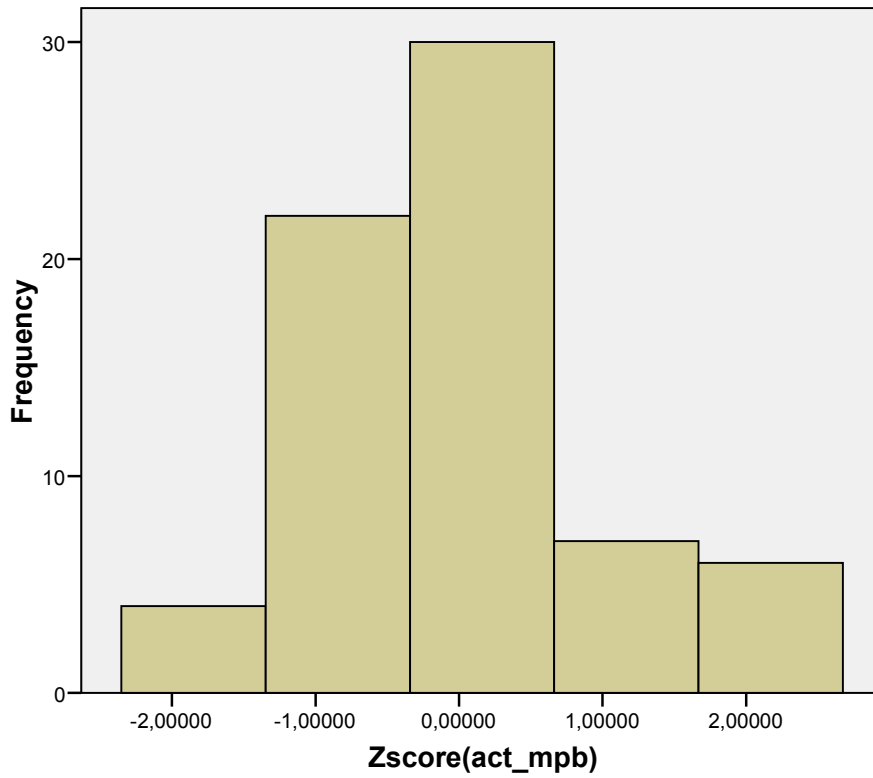
Frequency	Stem & Leaf
14,00	-1 . 000222222222444
10,00	-0 . 6666668888
11,00	-0 . 11114444444
12,00	0 . 000002222222
10,00	0 . 6888888888
6,00	1 . 000033
4,00	1 . 5577
2,00	2 . 33

Stem width: 1,00000
 Each leaf: 1 case(s)



Zscore(act_mpb)

Histogram

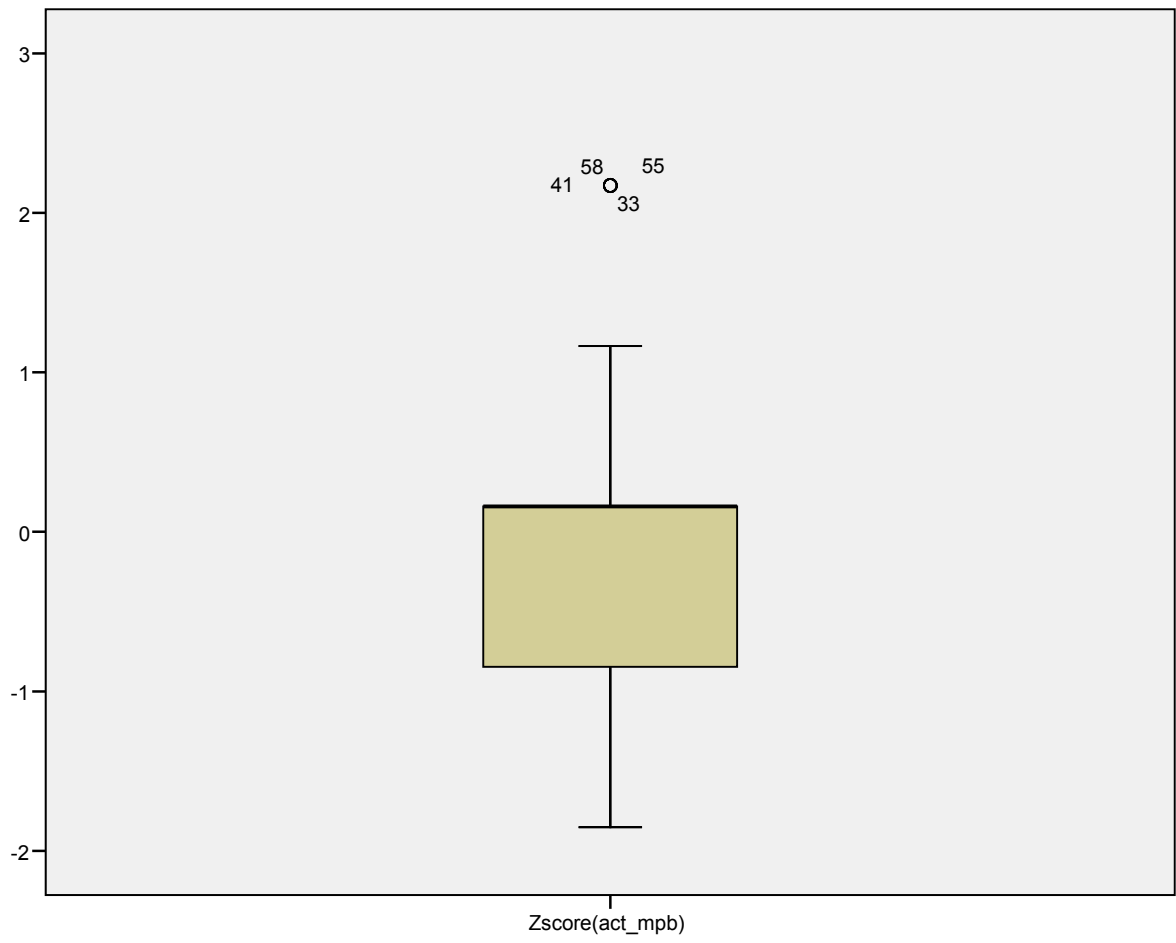


Mean =-8,47E-16
 Std. Dev. =1,00000
 N =69

Zscore(act_mpb) Stem-and-Leaf Plot

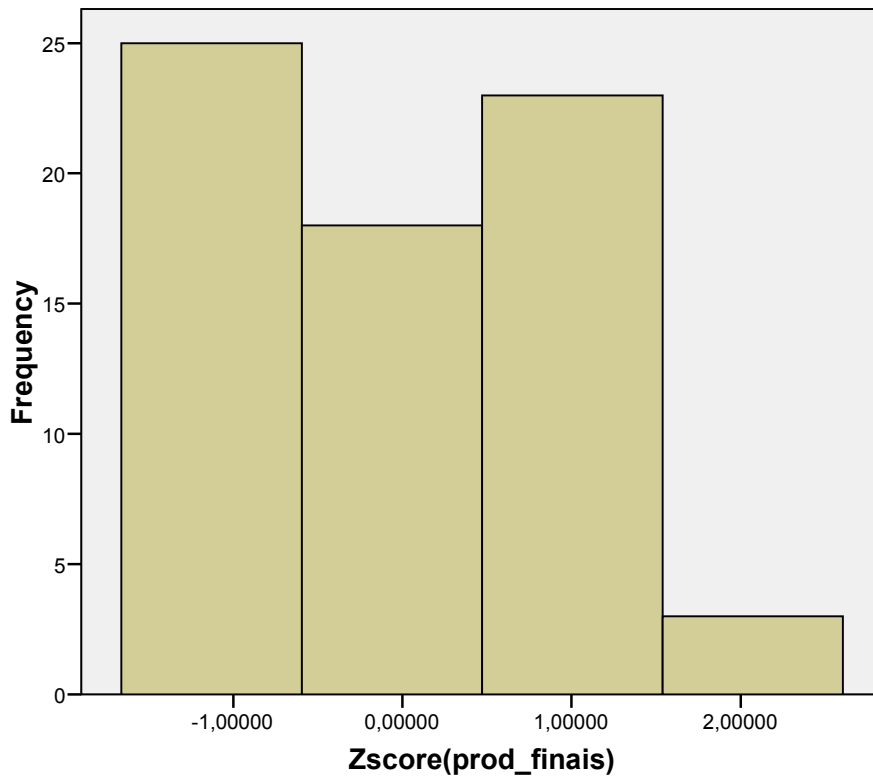
Frequency	Stem &	Leaf
4,00	-1 .	8888
,00	-1 .	
22,00	-0 .	888888888888888888888888
,00	-0 .	
30,00	0 .	111111111111111111111111111111
,00	0 .	
7,00	1 .	1111111
6,00	Extremes	(>=2,2)

Stem width: 1,00000
 Each leaf: 1 case(s)



Zscore(prod_finais)

Histogram



Mean =8,33E-17
 Std. Dev. =1,00000
 N =69

Zscore(prod_finais) Stem-and-Leaf Plot

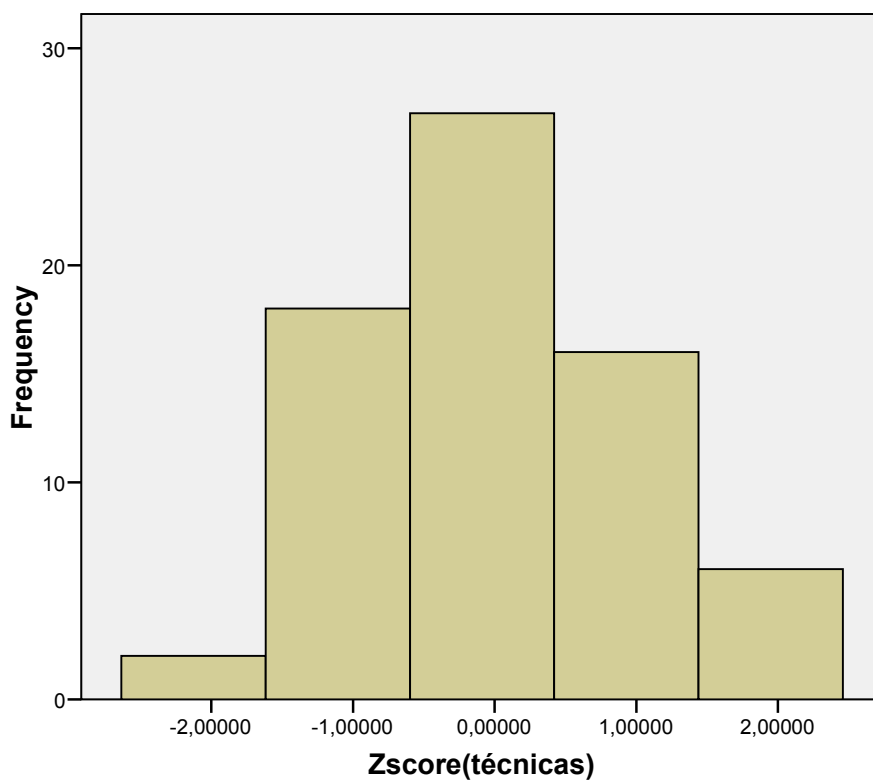
Frequency	Stem &	Leaf
25,00	-1 .	11111111111111111111111111111111
,00	-0 .	
18,00	-0 .	00000000000000000000
,00	0 .	
,00	0 .	
23,00	1 .	000000000000000000000000
,00	1 .	
3,00	2 .	000

Stem width: 1,00000
 Each leaf: 1 case(s)



Zscore(técnicas)

Histogram

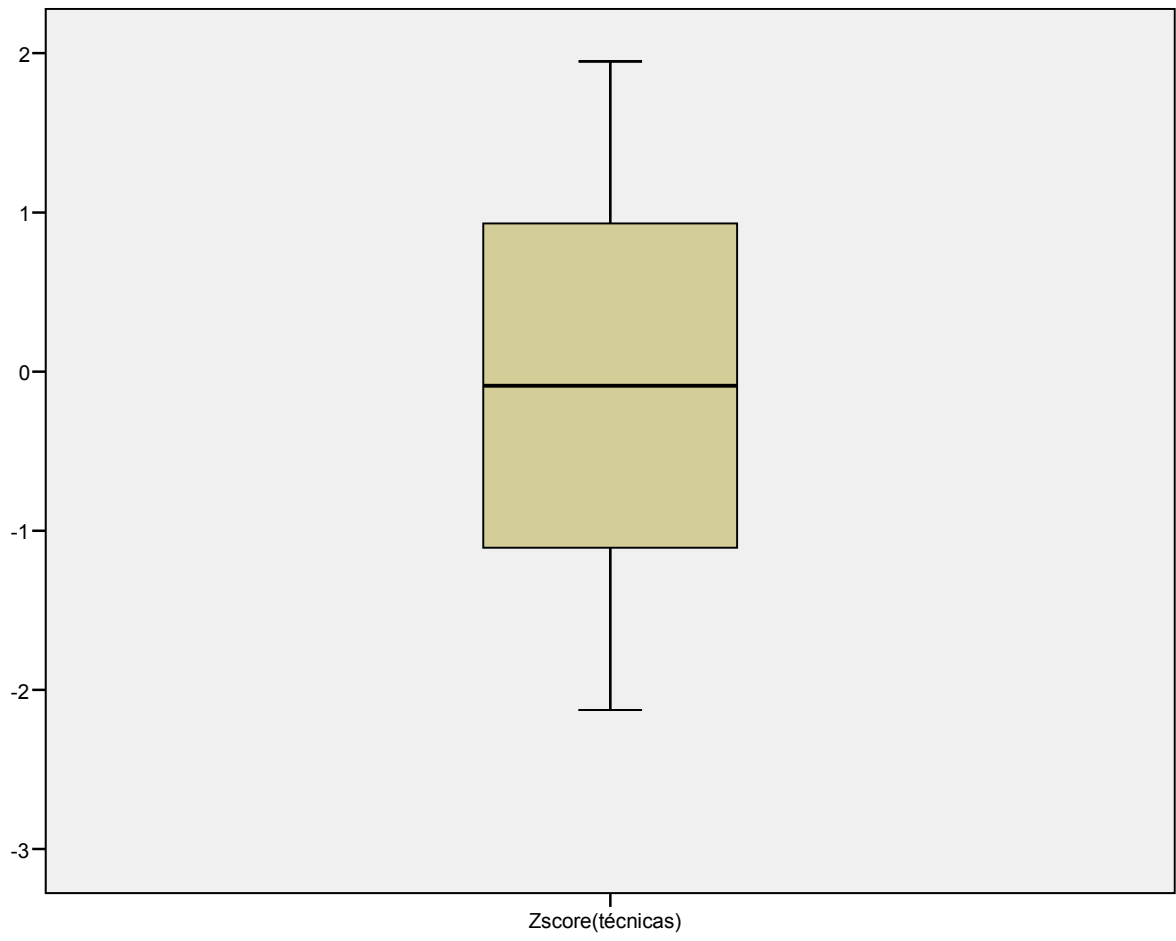


Mean = -7,53E-16
 Std. Dev. = 1,00000
 N = 69

Zscore(técnicas) Stem-and-Leaf Plot

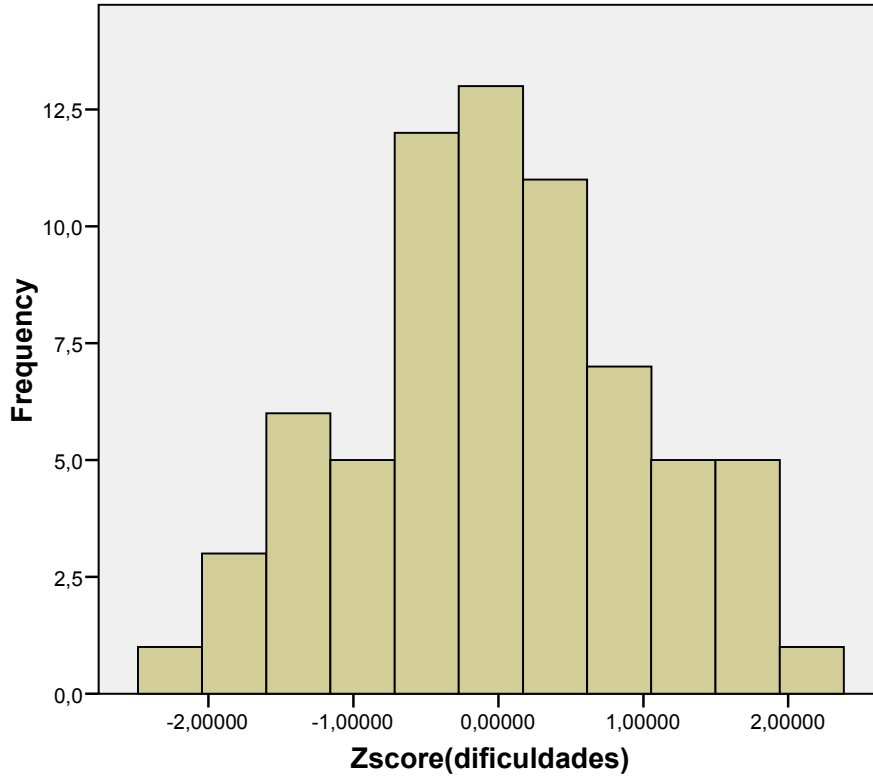
Frequency	Stem & Leaf
2,00	-2 . 11
,00	-1 .
18,00	-1 . 11111111111111111111
,00	-0 .
27,00	-0 . 00000000000000000000000000000000
,00	0 .
16,00	0 . 9999999999999999
,00	1 .
6,00	1 . 999999

Stem width: 1,00000
 Each leaf: 1 case(s)



Zscore(dificuldades)

Histogram

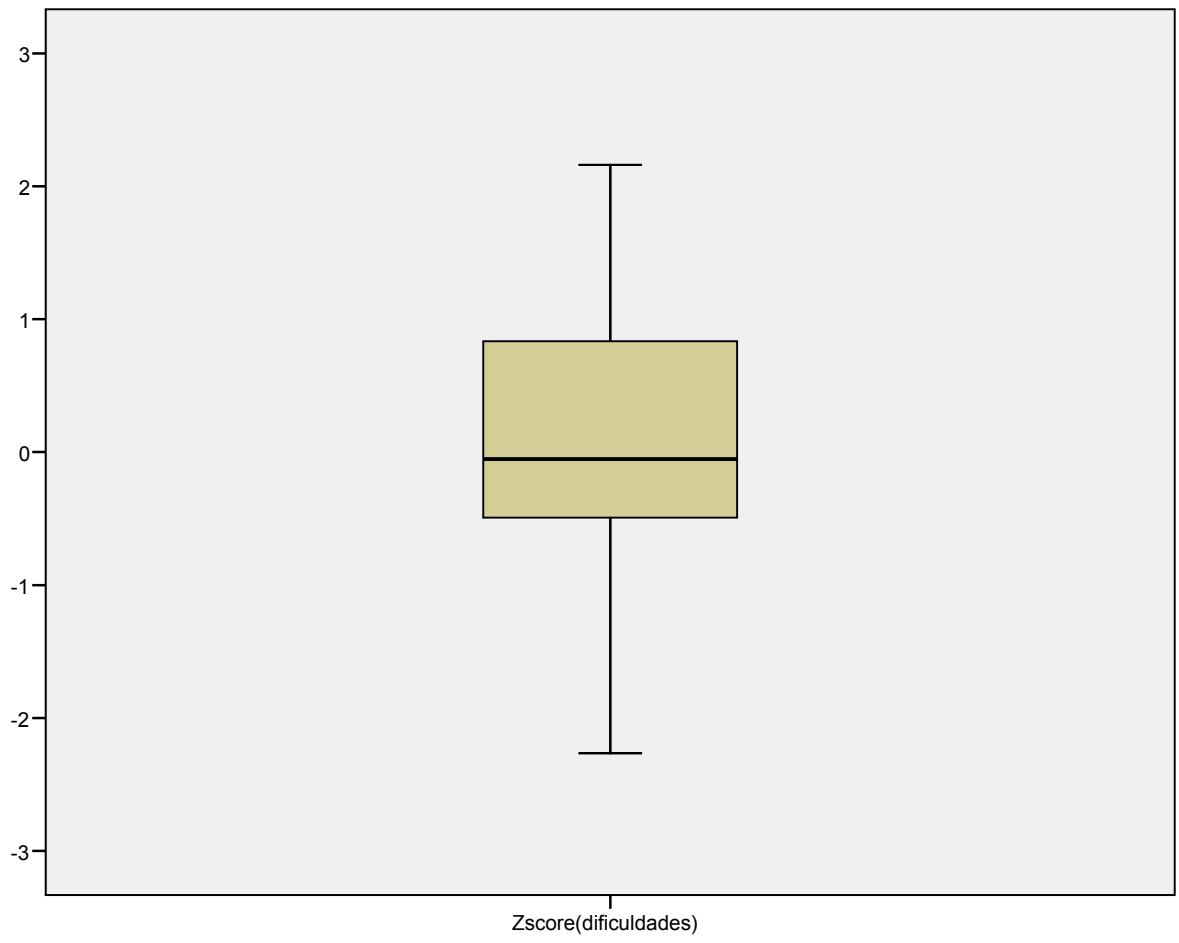


Mean = -1,46E-16
 Std. Dev. = 1,00000
 N = 69

Zscore(dificuldades) Stem-and-Leaf Plot

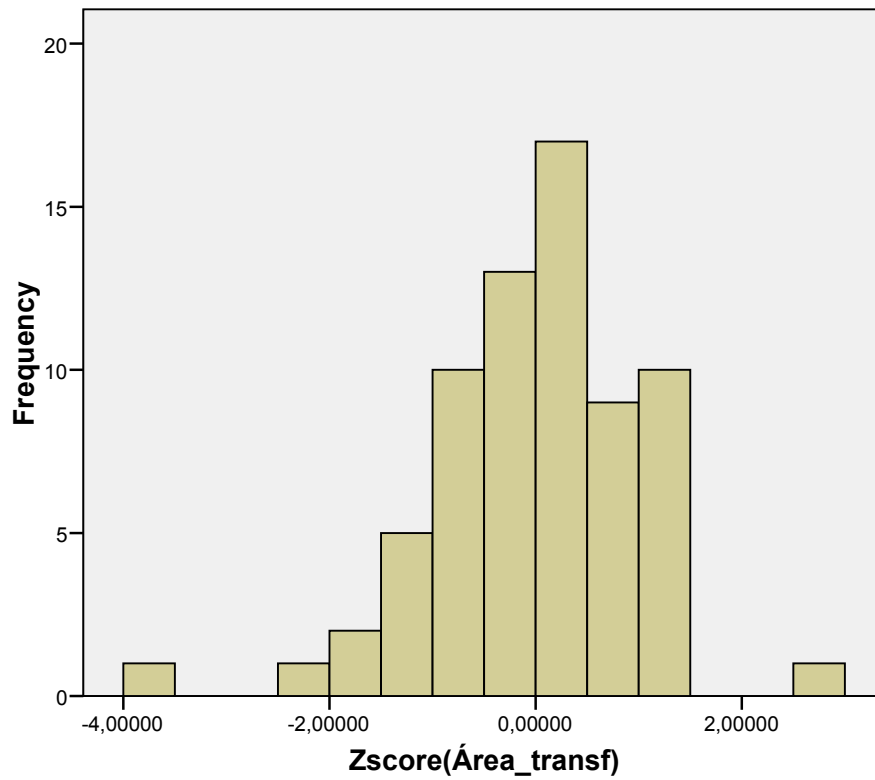
Frequency	Stem & Leaf
1,00	-2 . 2
9,00	-1 . 333333888
30,00	-0 . 00000000000004444444444499999
18,00	0 . 33333333333888888
10,00	1 . 2222277777
1,00	2 . 1

Stem width: 1,00000
 Each leaf: 1 case(s)



Zscore(Área_transf)

Histogram

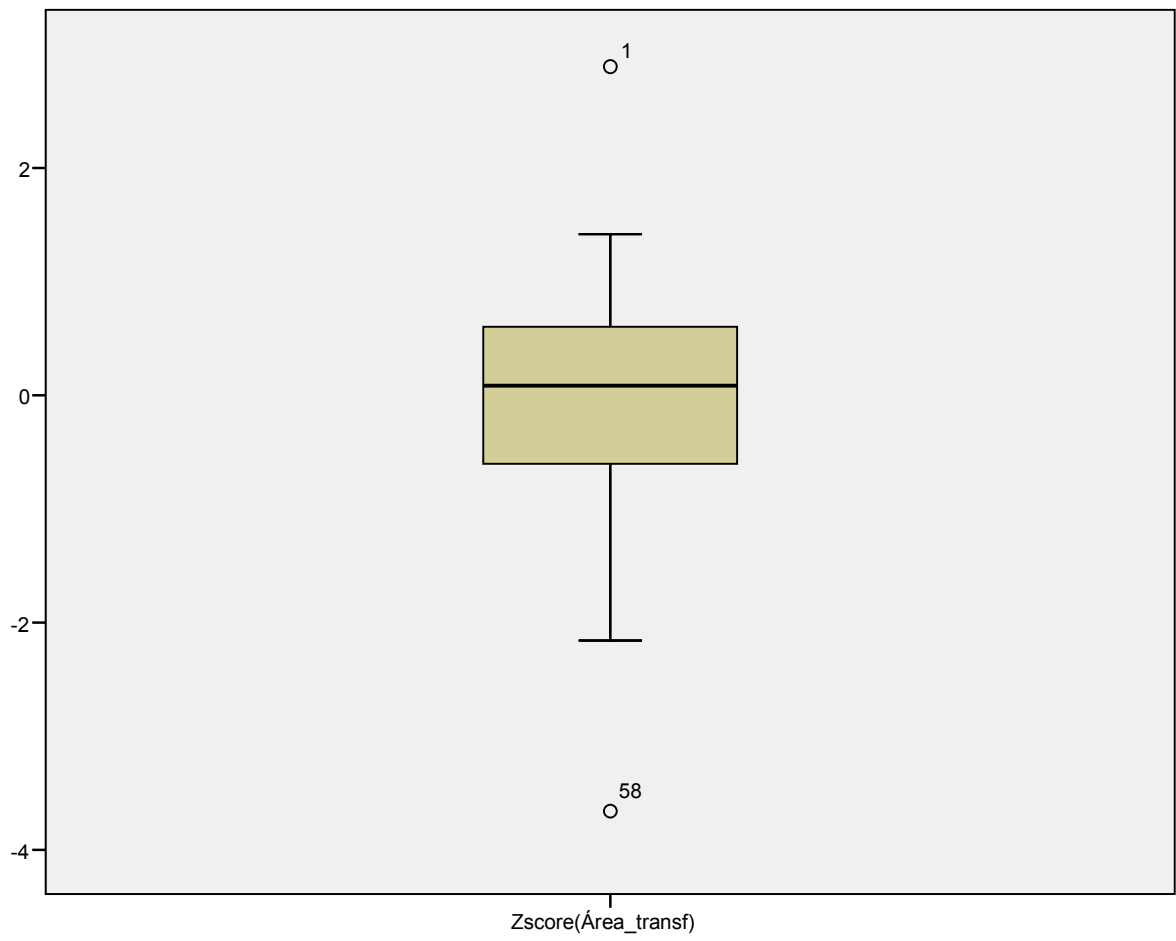


Mean =5,20E-16
 Std. Dev. =1,00000
 N =69

Zscore(Área_transf) Stem-and-Leaf Plot

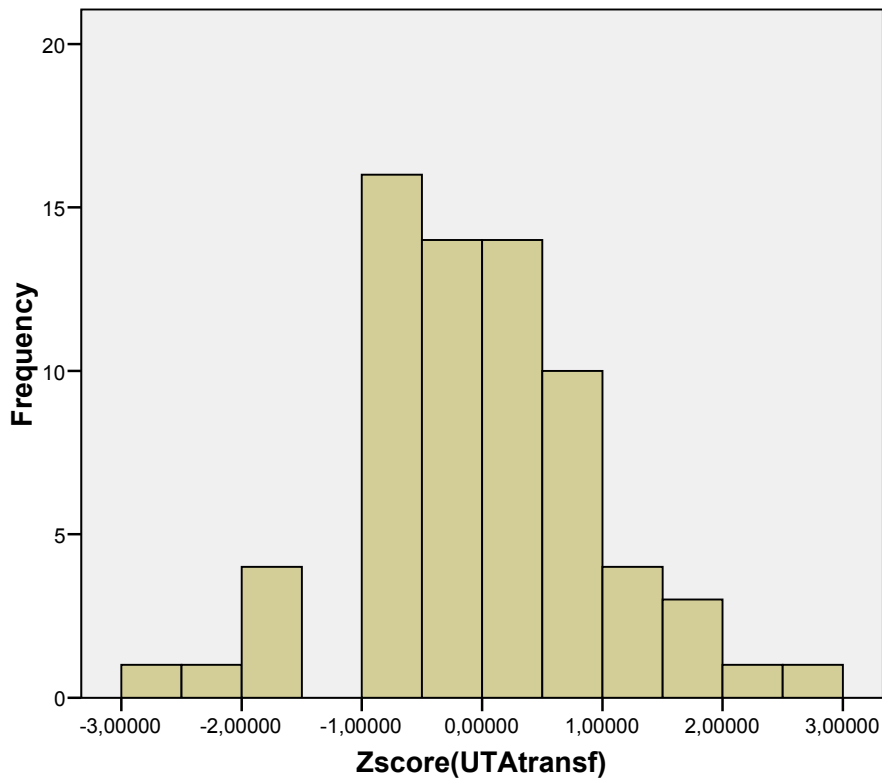
Frequency	Stem &	Leaf
1,00	Extremes	(=<-3,7)
1,00	-2 .	1
2,00	-1 .	59
5,00	-1 .	12233
10,00	-0 .	5666678888
13,00	-0 .	0000001124444
17,00	0 .	00001111223444444
9,00	0 .	666677899
10,00	1 .	0001222224
1,00	Extremes	(>=2,9)

Stem width: 1,00000
 Each leaf: 1 case(s)



Zscore(UTAttransf)

Histogram

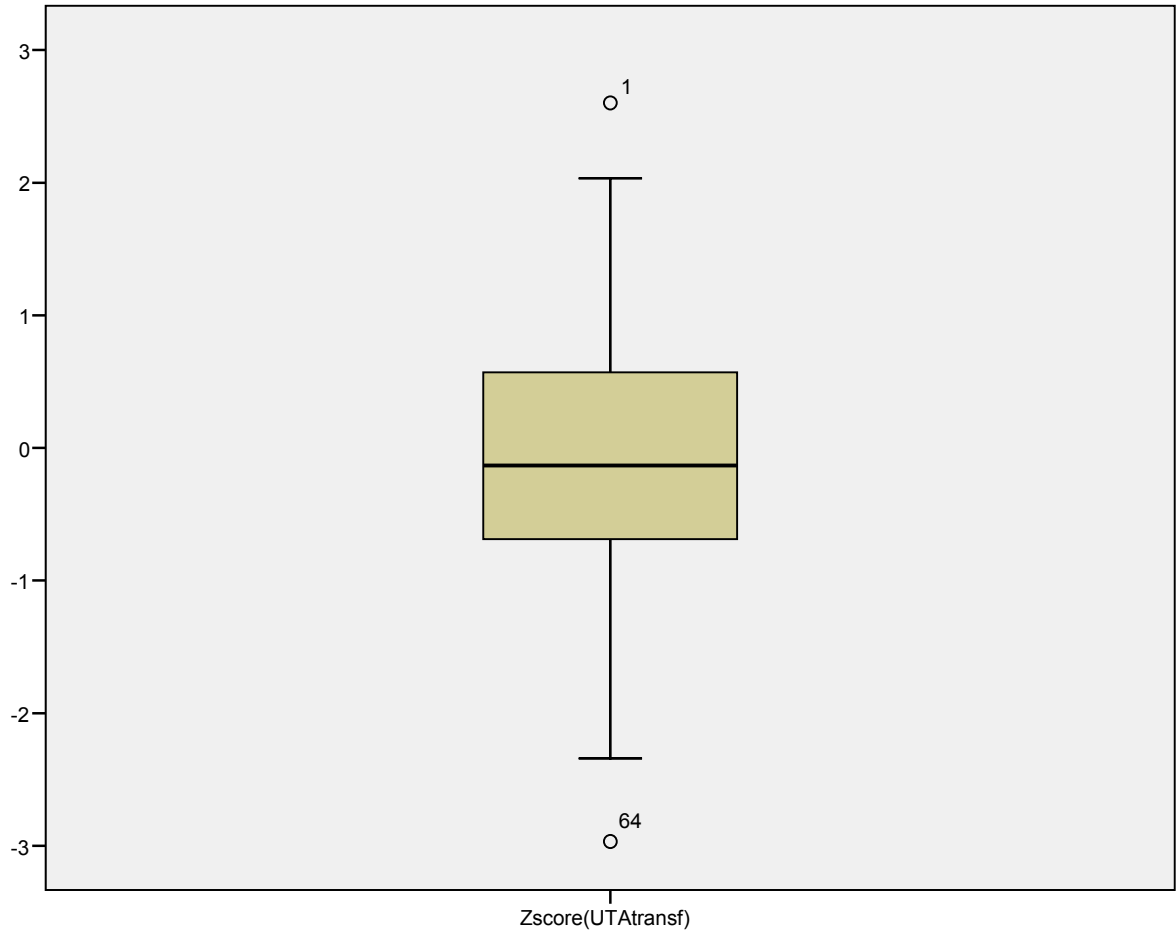


Mean =1,87E-16
 Std. Dev. =1,00000
 N =69

Zscore(UTAttransf) Stem-and-Leaf Plot

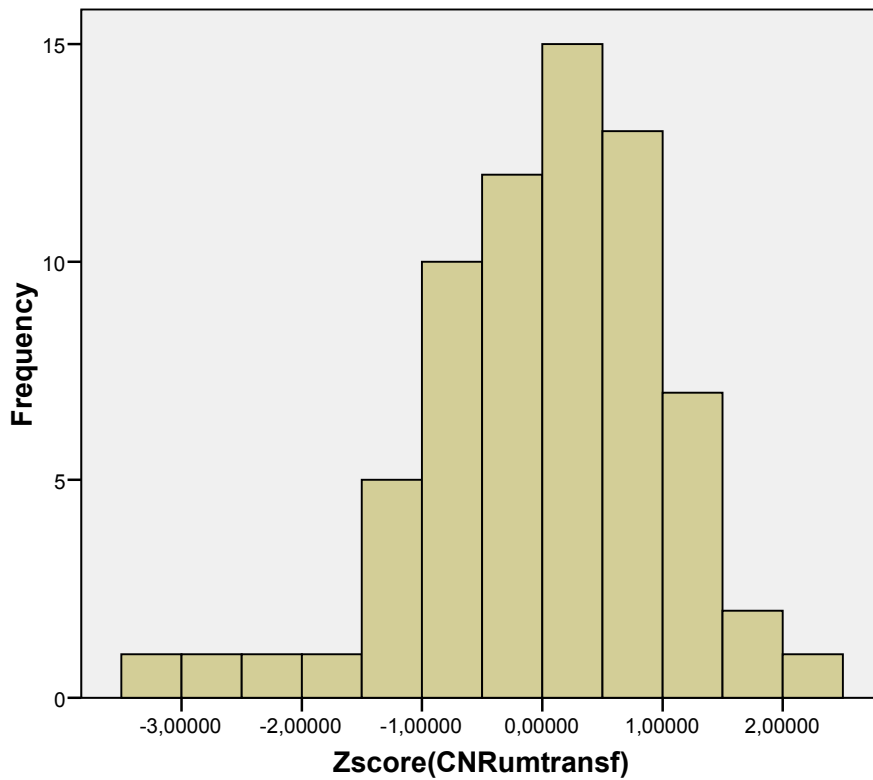
Frequency	Stem &	Leaf
1,00	Extremes	(=<-3,0)
1,00	-2 .	3
4,00	-1 .	6678
30,00	-0 .	01112222222334455666666666666666
24,00	0 .	012222222234445557888899
7,00	1 .	1223559
1,00	2 .	0
1,00	Extremes	(>=2,6)

Stem width: 1,00000
 Each leaf: 1 case(s)



Zscore(CNRumtransf)

Histogram

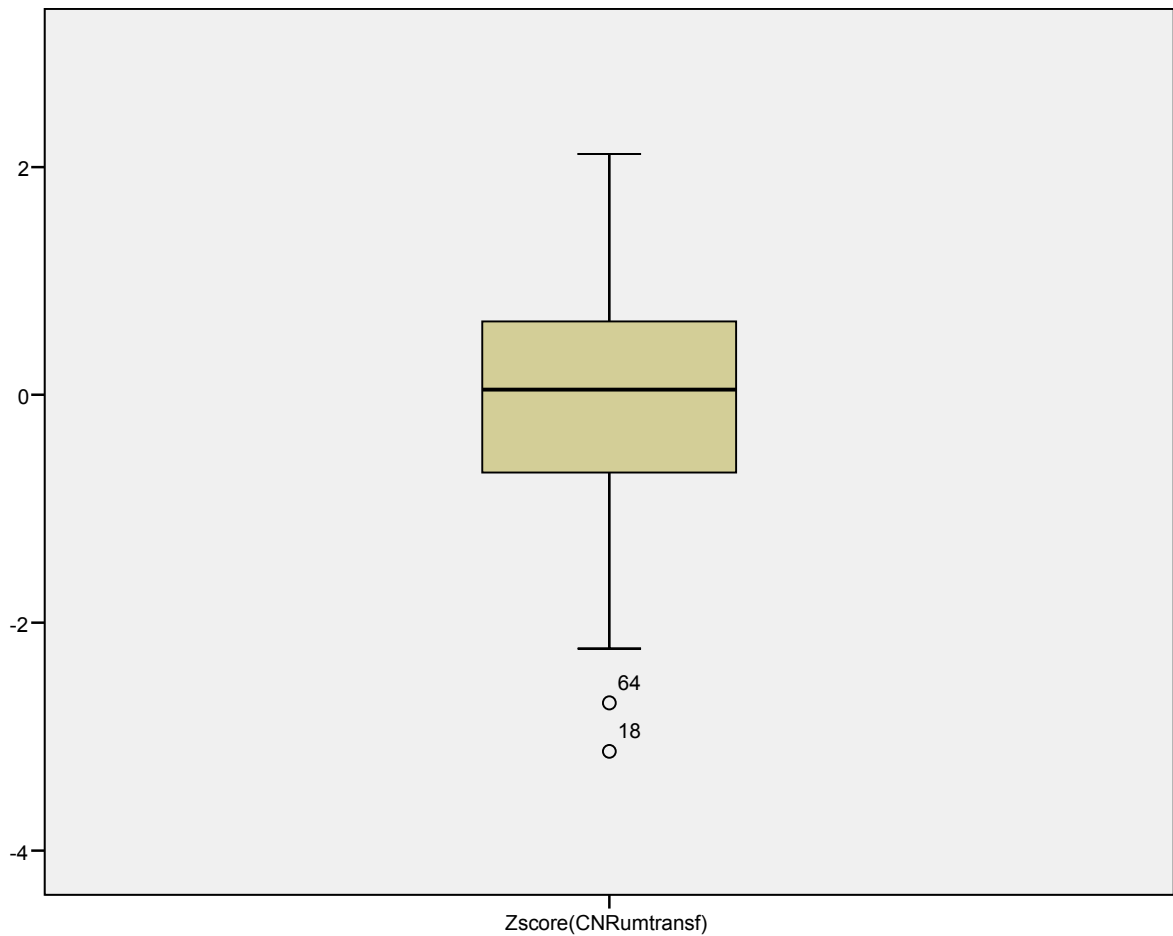


Mean =-7,67E-16
 Std. Dev. =1,00000
 N =69

Zscore(CNRumtransf) Stem-and-Leaf Plot

Frequency	Stem &	Leaf
2,00	Extremes	(= \leq -2,7)
1,00	-2	. 2
6,00	-1	. 001346
22,00	-0	. 0011111233335677778889
28,00	0	. 0000001112233445555566777779
9,00	1	. 001222488
1,00	2	. 1

Stem width: 1,00000
 Each leaf: 1 case(s)



```

FACTOR
  /VARIABLES Zanos_mpb Zact_mpb Zprod_finais Ztécnicas
Zdificuldades
  ZÁrea_transf ZUTAttransf ZCNRumtransf /MISSING LISTWISE
/ANALYSIS
  Zanos_mpb Zact_mpb Zprod_finais Ztécnicas Zdificuldades
ZÁrea_transf
  ZUTAttransf ZCNRumtransf
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
ROTATION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /CRITERIA ITERATE(25)
  /ROTATION VARIMAX

```

/SAVE REG(ALL)
/METHOD=CORRELATION .

Factor Analysis

Correlation Matrix(a)

	Zscore(anos_mpb)	Zscore(act_mpb)	Zscore(prod_finais)	Zscore(técnicas)	Zscore(dificuldades)	Zscore(Área_transf)	Zscore(UTAtanf)	Zscore(CNNumtransf)
Correlati on	1,000	,374	,231	-,044	,272	,181	,189	-,013
Zscore(anos_mpb)		1,000	,120	,225	,277	,031	,330	-,002
Zscore(act_mpb)	,374		1,000	,218	,136	,207	,459	,223
Zscore(prod_finais)	,231	,120		1,000	,121	,028	,275	,185
Zscore(técnicas)	-,044	,225	,218		1,000	,063	,001	,068
Zscore(dificuldades)	,272	,277	,136	,121		1,000	,550	,739
Zscore(Área_transf)	,181	,031	,207	,028	,063		1,000	,658
Zscore(UTAtanf)	,189	,330	,459	,275	,001	,550		1,000
Zscore(CNNumtransf)	-,013	-,002	,223	,185	,068	,739	,658	
Sig. (1-tailed)		,001	,028	,361	,012	,069	,060	,456
Zscore(anos_mpb)			,162	,031	,011	,399	,003	,494
Zscore(act_mpb)	,001		,036	,160	,133	,044	,000	,033
Zscore(prod_finais)	,028	,162		,160	,303	,410	,011	,064
Zscore(técnicas)	,361	,031	,036		,303	,498	,000	,288
Zscore(dificuldades)	,012	,011	,133	,160		,000	,000	,000
Zscore(Área_transf)	,069	,399	,044	,410	,303		,000	,000
Zscore(UTAtanf)	,060	,003	,000	,011	,498	,000		,000
Zscore(CNNumtransf)	,456	,494	,033	,064	,288	,000	,000	

a Determinant = ,080

Inverse of Correlation Matrix

	Zscore(anos_mpb)	Zscore(act_mpb)	Zscore(prod_finais)	Zscore(técnicas)	Zscore(dificuldades)	Zscore(Área_transf)	Zscore(UTAtanf)	Zscore(CNNumtransf)
Zscore(anos_mpb)	1,403	-,402	-,228	,198	-,268	-,464	-,152	,493
Zscore(act_mpb)	-,402	1,574	,287	-,237	-,379	,111	-,917	,525
Zscore(prod_finais)	-,228	,287	1,403	-,176	-,206	,025	-,834	,262
Zscore(técnicas)	,198	-,237	-,176	1,206	-,111	,269	-,199	-,241
Zscore(dificuldades)	-,268	-,379	-,206	-,111	1,245	,021	,554	-,403
Zscore(Área_transf)	-,464	,111	,025	,269	,021	2,488	-,267	-1,725

ansf)								
Zscore(UTAttransf)	-,152	-,917	-,834	-,199	,554	-,267	2,941	-1,558
Zscore(CNRumtransf)	,493	,525	,262	-,241	-,403	-1,725	-1,558	3,322

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,585
Bartlett's Test of Sphericity	Approx. Chi-Square	162,657
	df	28
	Sig.	,000

Anti-image Matrices

		Zscore(anos_mpb)	Zscore(act_mpb)	Zscore(prod_finais)	Zscore(técnicas)	Zscore(dificuldades)	Zscore(Área_transf)	Zscore(UTAttransf)
Anti-image Covariance	Zscore(anos_mpb)	,713	-,182	-,116	,117	-,154	-,133	-,037
	Zscore(act_mpb)	-,182	,635	,130	-,125	-,193	,028	-,198
	Zscore(prod_finais)	-,116	,130	,713	-,104	-,118	,007	-,202
	Zscore(técnicas)	,117	-,125	-,104	,830	-,074	,090	-,056
	Zscore(dificuldades)	-,154	-,193	-,118	-,074	,803	,007	,151
	Zscore(Área_transf)	-,133	,028	,007	,090	,007	,402	-,036
	Zscore(UTAttransf)	-,037	-,198	-,202	-,056	,151	-,036	,340
	Zscore(CNRumtransf)	,106	,100	,056	-,060	-,097	-,209	-,160
Anti-image Correlation	Zscore(anos_mpb)	,544(a)	-,270	-,162	,152	-,203	-,248	-,075
	Zscore(act_mpb)	-,270	,465(a)	,193	-,172	-,271	,056	-,426
	Zscore(prod_finais)	-,162	,193	,602(a)	-,135	-,156	,013	-,410
	Zscore(técnicas)	,152	-,172	-,135	,636(a)	-,091	,155	-,106
	Zscore(dificuldades)	-,203	-,271	-,156	-,091	,416(a)	,012	,289
	Zscore(Área_transf)	-,248	,056	,013	,155	,012	,669(a)	-,099
	Zscore(UTAttransf)	-,075	-,426	-,410	-,106	,289	-,099	,622(a)
	Zscore(CNRumtransf)	,228	,230	,121	-,121	-,198	-,600	-,499

a Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Zscore(anos_mpb)	1,000	,727
Zscore(act_mpb)	1,000	,604
Zscore(prod_finais)	1,000	,377

Zscore(técnicas)	1,000	,819
Zscore(dificuldades)	1,000	,412
Zscore(Área_transf)	1,000	,821
Zscore(UTAttransf)	1,000	,776
Zscore(CNRumtransf)	1,000	,833

Extraction Method: Principal Component Analysis.

Reproduced Correlations

		Zscore(anos_mpb)	Zscore(act_mpb)	Zscore(prod_finais)	Zscore(técnicas)	Zscore(dificuldades)	Zscore(Área_transf)	Zscore(UTAttransf)	Zscore(CNRumtransf)
Reproduced Correlation	Zscore(anos_mpb)	,727(b)	,499	,210	-,163	,501	,207	,187	,026
	Zscore(act_mpb)	,499	,604(b)	,338	,322	,469	,003	,258	-,021
	Zscore(prod_finais)	,210	,338	,377(b)	,379	,206	,302	,489	,356
	Zscore(técnicas)	-,163	,322	,379	,819(b)	,077	-,069	,376	,155
	Zscore(dificuldades)	,501	,469	,206	,077	,412(b)	,013	,129	-,070
	Zscore(Área_transf)	,207	,003	,302	-,069	,013	,821(b)	,660	,783
	Zscore(UTAttransf)	,187	,258	,489	,376	,129	,660	,776(b)	,728
	Zscore(CNRumtransf)	,026	-,021	,356	,155	-,070	,783	,728	,833(b)
Residual(a)	Zscore(anos_mpb)		-,125	,022	,120	-,229	-,026	,001	-,040
	Zscore(act_mpb)	-,125		-,218	-,096	-,193	,028	,072	,020
	Zscore(prod_finais)	,022	-,218		-,161	-,071	-,095	-,030	-,133
	Zscore(técnicas)	,120	-,096	-,161		,045	,097	-,101	,030
	Zscore(dificuldades)	-,229	-,193	-,071	,045		,050	-,129	,139

Zscore(Área_transf)	-,026	,028	-,095	,097	,050		-,110	-,044
Zscore(UTAttransf)	,001	,072	-,030	-,101	-,129	-,110		-,069
Zscore(CNRumtransf)	-,040	,020	-,133	,030	,139	-,044	-,069	

Extraction Method: Principal Component Analysis.

a Residuals are computed between observed and reproduced correlations. There are 18 (64,0%) nonredundant residuals with absolute values greater than 0.05.

b Reproduced communalities

Rotated Component Matrix(a)

	Component		
	1	2	3
Zscore(anos_mpb)	,145	,817	-,199
Zscore(act_mpb)	,011	,694	,349
Zscore(prod_finais)	,379	,285	,391
Zscore(técnicas)	,062	,009	,903
Zscore(dificuldades)	-,017	,636	,080
Zscore(Área_transf)	,893	,061	-,139
Zscore(UTAttransf)	,783	,178	,361
Zscore(CNRumtransf)	,901	-,101	,111

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 5 iterations.

Component Transformation Matrix

Component	1	2	3
1	,861	,373	,345
2	-,456	,867	,202
3	-,223	-,331	,917

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.