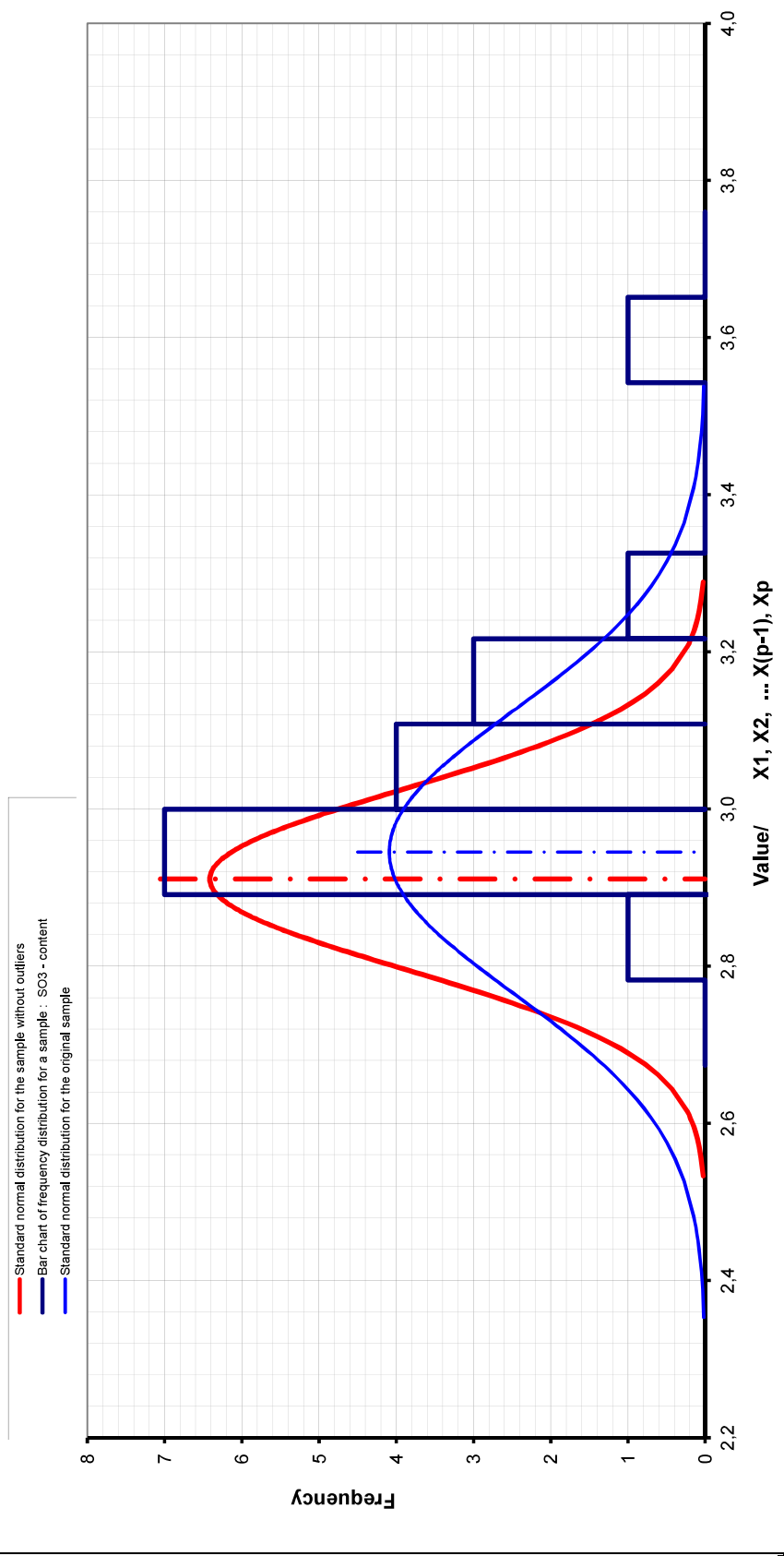


A) Summary statistics for a sample :

		SO3 - content				
		X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers	
Count (Sample size)	n	17	16	15	16	
Minimum value	$X_{\min} = X_1$	2,735	2,80	2,80	2,74	
Maximum value	$X_{\max} = X_p$	3,495	3,50	3,50	3,17	
Range of sample	$R = X_{\max} - X_{\min}$	0,76	0,70	0,70	0,43	
difference	$L_{m95\%} - L_{m95\%}$	0,7634			0,4894	
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	2,4801			2,6121	
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	2,564			2,6662	
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	2,5647				
Lower Grubbs confidence limit (for P=99%)	$X_{\min GI-1\%}$	2,4242				
Lower Grubbs confidence limit (for P=95%)	$X_{\min GI-5\%}$	2,4735				
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	2,9453	2,9693	2,9109	2,894	
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,0954	0,1032	0,0991	0,1032	
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	3,4171		3,2077		
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	3,4664		3,2384		
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	3,3953				
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	3,327				
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	3,4105			3,1556	
Standard deviation of a sample	$S_{x,p-1}$	0,18007	0,17795	0,11482	0,09596	
Standard deviation	$S_{x,0}$	0,1747	0,17192	0,11118	0,0927	
Coefficient of variation	V	6,1%	6,0%	3,9%	3,9%	
Standard skewness	SK_{est}	1,937	2,053	0,734	0,449	
Standard kurtosis (excess)	Y_2	4,802	5,084	0,271	-0,038	
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,120	2,132	2,132	2,145	
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,584	2,603	2,603	2,625	

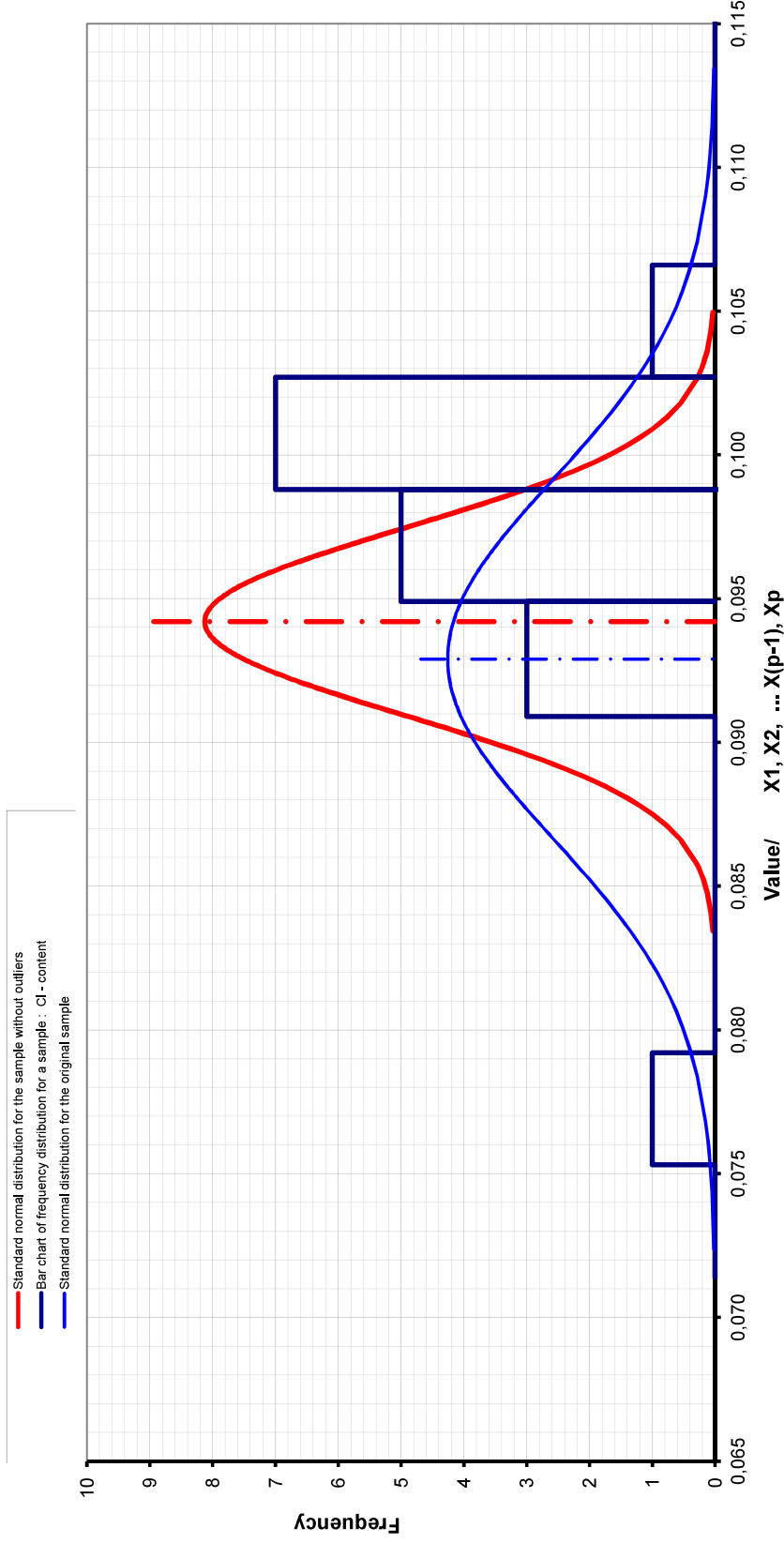
Bar chart of frequency distribution for: SO3 - content



A) Summary statistics for a sample :

		CJ - content				
		X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X1, X2, ... X(p-4), X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	17	14	16	14	16
Minimum value	$X_{\min} = X_1$	0,072	0,09	0,07	0,07	0,09
Maximum value	$X_{\max} = X_p$	0,099	0,10	0,10	0,10	0,10
Range of sample	$R = X_{\max} - X_{\min}$	0,027	0,01	0,03	0,03	0,01
difference	$L_{m95\%} - L_{m98\%}$	0,0264				0,014
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	0,0768				0,0857
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	0,080				0,0872
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	0,081				
Lower Grubbs confidence limit (for P=99%)	$X_{\min G-1\%}$	0,0748				
Lower Grubbs confidence limit (for P=95%)	$X_{\min G+5\%}$	0,0766				
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	0,0929	0,0949	0,0925	0,0917	0,0942
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,0033	0,0037	0,0034	0,0037	0,0018
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	0,1092		0,1086		
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	0,111		0,1103		
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	0,106				
Upper Irwin confidence limit (for P=95%)	$L_{m95\%}$	0,1061				0,1012
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	0,109				0,1027
Standard deviation of a sample	$S_{x,p-1}$	0,00624	0,00276	0,00624	0,00629	0,00327
Standard deviation	$S_{x,0}$	0,00606	0,00266	0,00604	0,00606	0,00317
Coefficient of variation	V	6,7%	2,9%	6,7%	6,9%	3,5%
Standard skewness	SK_{est}	-2,493	-0,298	-2,548	-2,606	-0,269
Standard kurtosis (excess)	Y_2	7,978	-0,865	8,112	8,124	-1,114
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,120	2,160	2,132	2,160	2,132
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,584	2,650	2,603	2,650	2,603

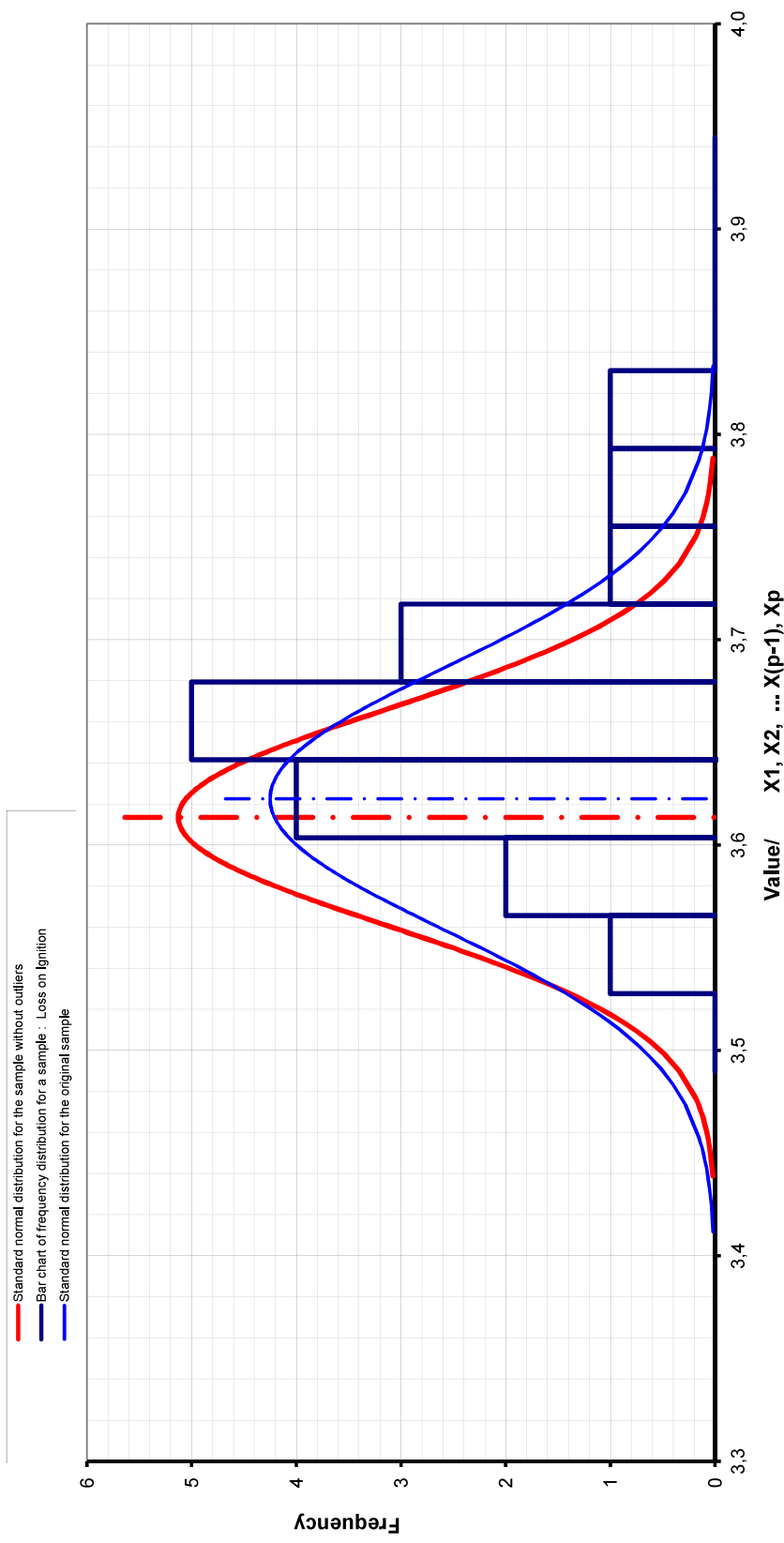
Bar chart of frequency distribution for: CI - content



A) Summary statistics for a sample :

		Loss on Ignition					
		X1, X2, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers	
Count (Sample size)	n	18	17	16	17	16	17
Minimum value	$X_{\min} = X_1$	3,51	3,56	3,57	3,51	3,51	3,51
Maximum value	$X_{\max} = X_p$	3,775	3,78	3,78	3,72	3,69	3,72
Range of sample	$R = X_{\max} - X_{\min}$	0,265	0,22	0,21	0,21	0,18	0,21
difference	$L_{m95\%} - L_{m95\%}$	0,2704					0,2252
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	3,4581					3,4763
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	3,487					3,5009
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	3,474					
Lower Grubbs confidence limit (for P=99%)	$X_{\min GI-1\%}$	3,4347					
Lower Grubbs confidence limit (for P=95%)	$X_{\min GI-5\%}$	3,4527					
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	3,6225	3,6291	3,6338	3,6135	3,6089	3,6135
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,0328	0,034	0,0353	0,034	0,0353	0,0281
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	3,7923			3,7526		
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	3,8103			3,7672		
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	3,801					
Upper Irwin confidence limit (for P=95%)	$L_{m95\%}$	3,7577					3,7261
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	3,7869					3,7507
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	0,06406					0,05311
Standard deviation of a sample	$S_{x,p-1}$	0,06226					0,04697
Standard deviation	$S_{x,0}$		0,05935	0,05804	0,05311	0,04697	0,05311
Coefficient of variation	V	1,8%	0,05758	0,05619	0,05163	0,04548	0,05163
Standard skewness	SK_{est}	0,677	1,6%	1,6%	1,5%	1,3%	1,5%
Standard kurtosis (excess)	Y_2	0,691	1,013	1,050	0,175	-0,125	0,175
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,110	0,823	0,892	-0,050	-0,160	-0,050
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,567	2,120	2,132	2,120	2,132	2,120
			2,584	2,603	2,584	2,603	2,584

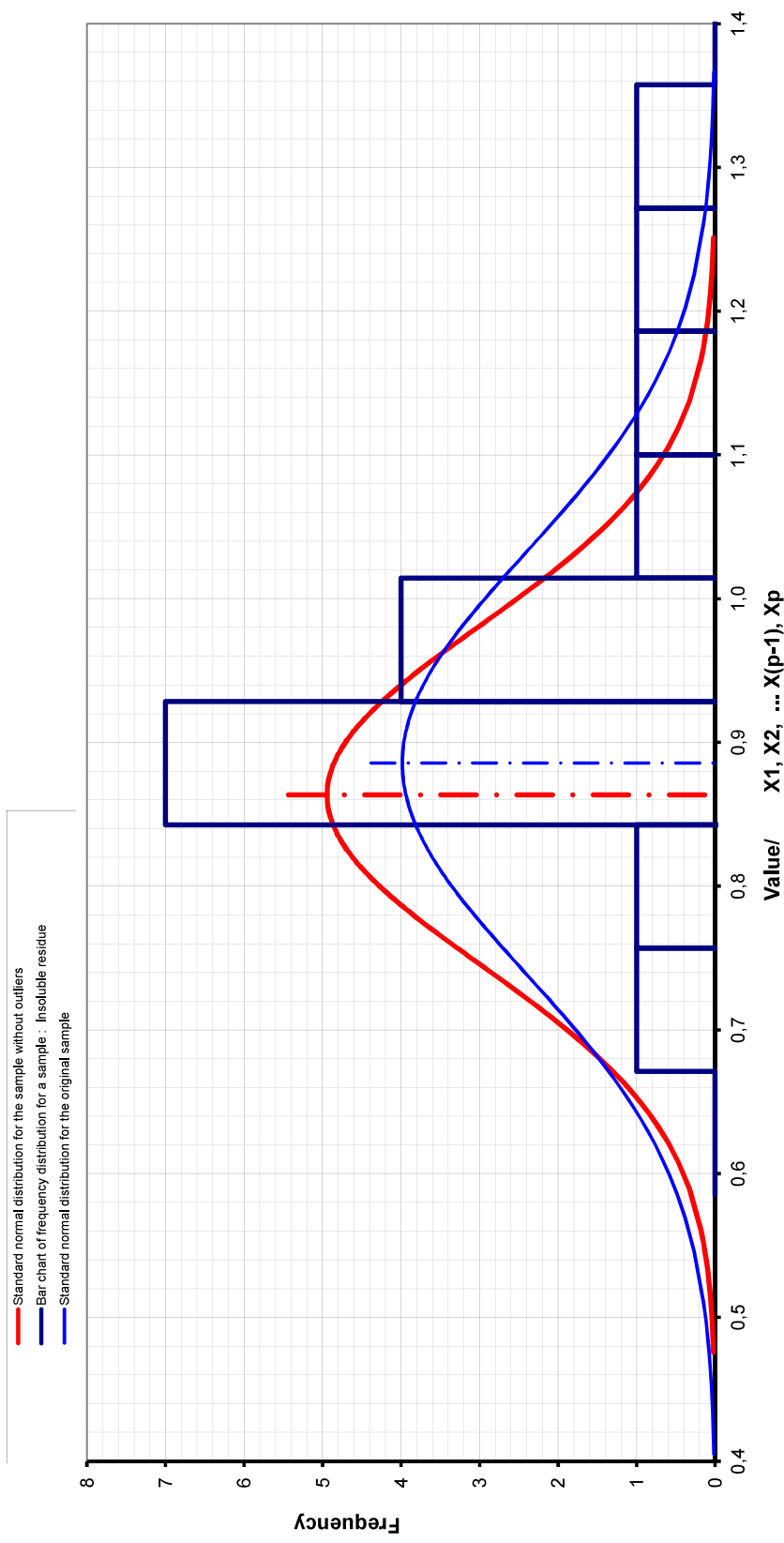
Bar chart of frequency distribution for: Loss on Ignition



A) Summary statistics for a sample :

		Insoluble residue				
	Count (Sample size)	X1, X2, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers
	n	17	16	15	16	16
	$X_{min} = X_1$	0,59	0,68	0,75	0,59	0,59
	Minimum value					
	$X_{max} = X_p$	1,19	1,19	1,19	1,08	1,08
	Maximum value					
	Range of sample R = $X_{max} - X_{min}$	0,6	0,51	0,45	0,49	0,49
	difference $L_{m95\%} - L_{m95\%}$	0,6194				
	Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$				
	Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$				
	Lower Irwin confidence limit (for P=95%)	$X_{min}Iw-5\%$				
	Lower Grubbs confidence limit (for P=99%)	$X_{min}G1-1\%$				
	Lower Grubbs confidence limit (for P=95%)	$X_{min}G1-5\%$				
	Average (arithmetic mean) $\bar{x} = 1/p \sum (X_i)$	0,8356	0,8509	0,8623	0,8134	0,8134
	Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,0804	0,0837	0,0804	0,0837
	Upper Grubbs confidence limit (for P=99%)	$X_{max}Gp-5\%$			1,1178	
	Upper Grubbs confidence limit (for P=95%)	$X_{max}Gp-1\%$			1,1492	
	Upper Irwin confidence limit (for P=99%)	$X_{max}Iw-5\%$				
	Upper Irwin confidence limit (for P=95%)	$L_{m95\%}$				
	Upper confidence limits after elimination of outliers (for P=95%)	$L_{m98\%}$				
	Upper confidence limits after elimination of outliers (for P=98%)	$S_{x,p-1}$				
	Standard deviation of a sample	Sx,0	0,13598	0,13261	0,11775	0,09717
	Standard deviation		0,13166	0,12811	0,11401	0,09388
	Coefficient of variation	V	16,0%	15,4%	14,5%	12,2%
	Standard skewness	SK_{est}	1,440	1,558	0,701	0,288
	Standard kurtosis (excess)	Y_2	1,559	1,569	1,453	2,255
	t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,132	2,145	2,132	2,145
	t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,603	2,625	2,603	2,625

Bar chart of frequency distribution for: Insoluble residue

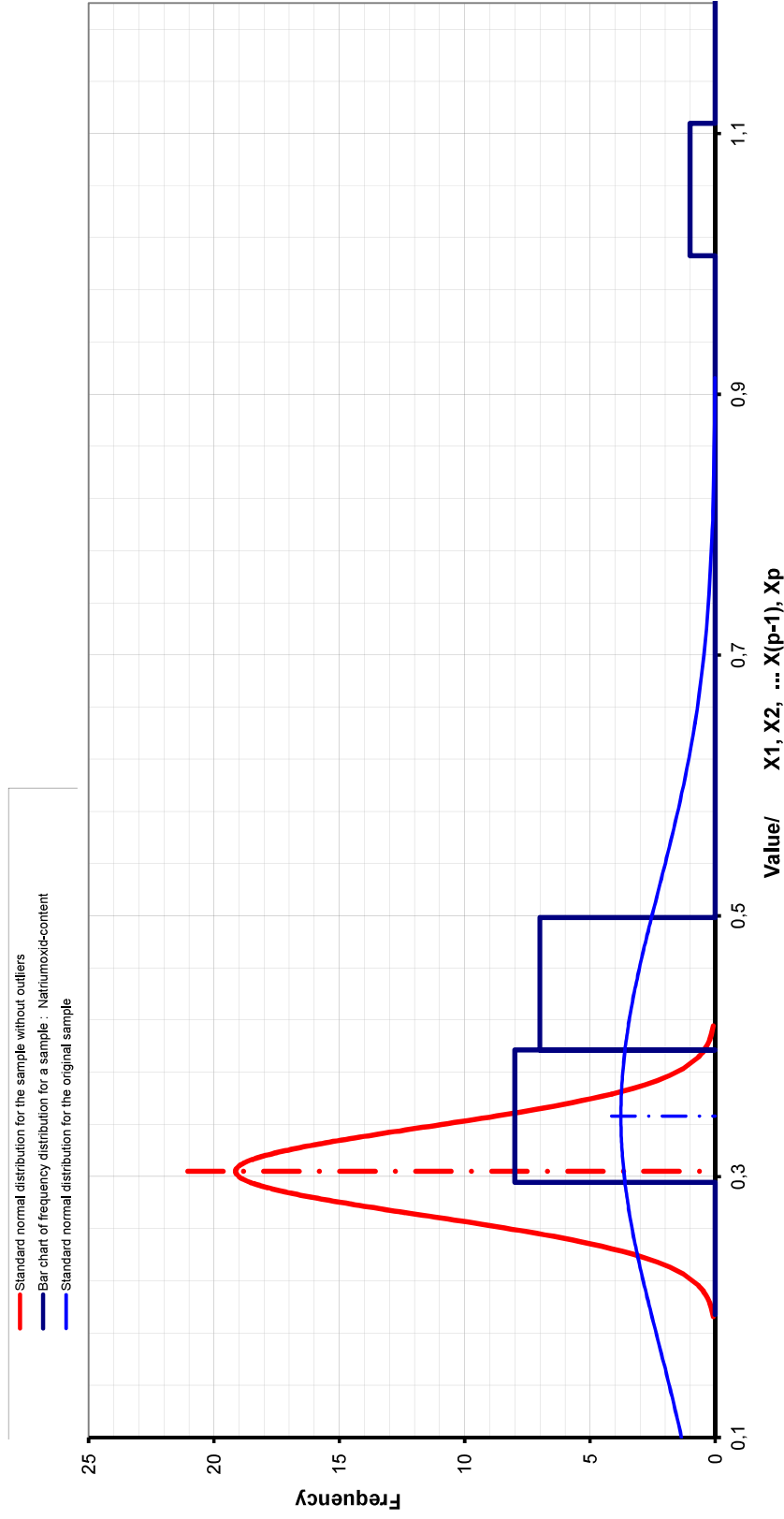


A) Summary statistics for a sample :

Natriumoxid-content

	X1, X2, ... X(p-1), Xp	14	13	15	14	Sample without outliers
Count (Sample size)	n	16			15	15
Minimum value	$X_{\min} = X_1$	0,22		0,22	0,22	0,22
Maximum value	$X_{\max} = X_p$	0,93	0,93	0,93	0,93	0,93
Range of sample	$R = X_{\max} - X_{\min}$	0,71	0,70	0,71	0,70	0,71
difference $L_{m95\%} - L_{m95\%}$	$\Delta L_{-95\%}$	0,7338				0,1452
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	-0,1517				0,1651
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	-0,071				0,1814
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	0,0021				
Lower Grubbs confidence limit (for P=99%)	$X_{\min GI-1\%}$	-0,1946				
Lower Grubbs confidence limit (for P=95%)	$X_{\min GI-5\%}$	-0,1487				
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	0,2963	0,3135	0,254	0,2486	0,2540
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,0947	0,1083	0,0987	0,1031	0,0194
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	0,7413		0,3389		
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	0,7872		0,3473		
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	0,5529				
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	0,6632				0,3266
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	0,7443				0,3429
Standard deviation of a sample	$S_{x,p-1}$	0,17214	0,18795	0,03387	0,02756	0,03387
Standard deviation	$S_{x,0}$	0,16667	0,18058	0,03272	0,02655	0,03272
Coefficient of variation	V	58,1%	60,0%	13,3%	11,1%	13,3%
Standard skewness	SK_{est}	3,764	3,430	1,272	1,389	1,272
Standard kurtosis (excess)	Y_2	14,616	12,062	1,007	2,338	1,007
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,132	2,179	2,145	2,160	2,145
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,603	2,681	2,625	2,650	2,625

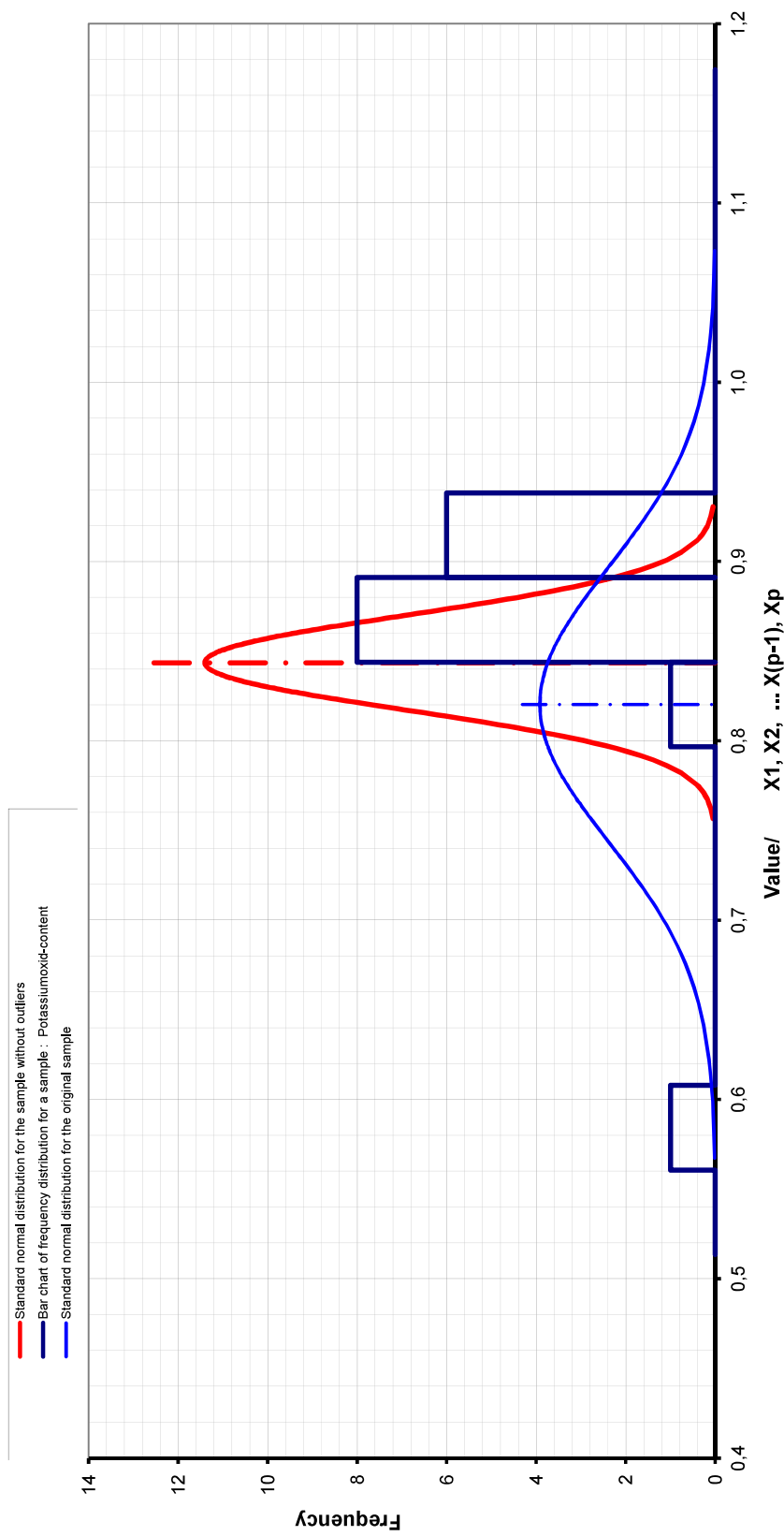
Bar chart of frequency distribution for: Natriumoxid-content



A) Summary statistics for a sample :

Potassiumoxid-content								
	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	16	15	14	14	14	13	14
Minimum value	$X_{\min} = X_1$	0,51	0,71	0,76	0,51	0,51	0,51	0,76
Maximum value	$X_{\max} = X_p$	0,84	0,84	0,84	0,82	0,82	0,81	0,84
Range of sample	$R = X_{\max} - X_{\min}$	0,33	0,14	0,09	0,31	0,30	0,30	0,09
difference	$L_{m95\%} - L_{m95\%}$	0,3278						0,1142
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	0,5702						0,7236
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	0,606						0,7365
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	0,6054						
Lower Grubbs confidence limit (for P=99%)	$X_{\min G1-1\%}$	0,551						
Lower Grubbs confidence limit (for P=95%)	$X_{\min G1-5\%}$	0,5715						
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	0,7703	0,7877	0,7936	0,7604	0,7604	0,7558	0,7936
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,0423	0,0441	0,0461	0,0461	0,0461	0,0484	0,0158
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	0,9691			0,9341	0,9341		
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	0,9896			0,9772	0,9772		
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	0,9196						
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	0,9342						0,8507
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	0,9704						0,8636
Standard deviation of a sample	$S_{x,p-1}$	0,07689	0,03422	0,02642	0,07725	0,07725	0,07839	0,02642
Standard deviation	$S_{x,0}$	0,07445	0,03306	0,02546	0,07444	0,07444	0,07532	0,02546
Coefficient of variation	V	10,0%	4,3%	3,3%	10,2%	10,4%	10,4%	3,3%
Standard skewness	SK_{est}	-2,850	-0,603	0,527	-2,988	-2,988	-2,973	0,527
Standard kurtosis (excess)	Y_2	9,598	1,430	-0,397	9,778	9,778	9,486	-0,397
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,132	2,145	2,160	2,160	2,160	2,179	2,160
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,603	2,625	2,650	2,650	2,650	2,681	2,650

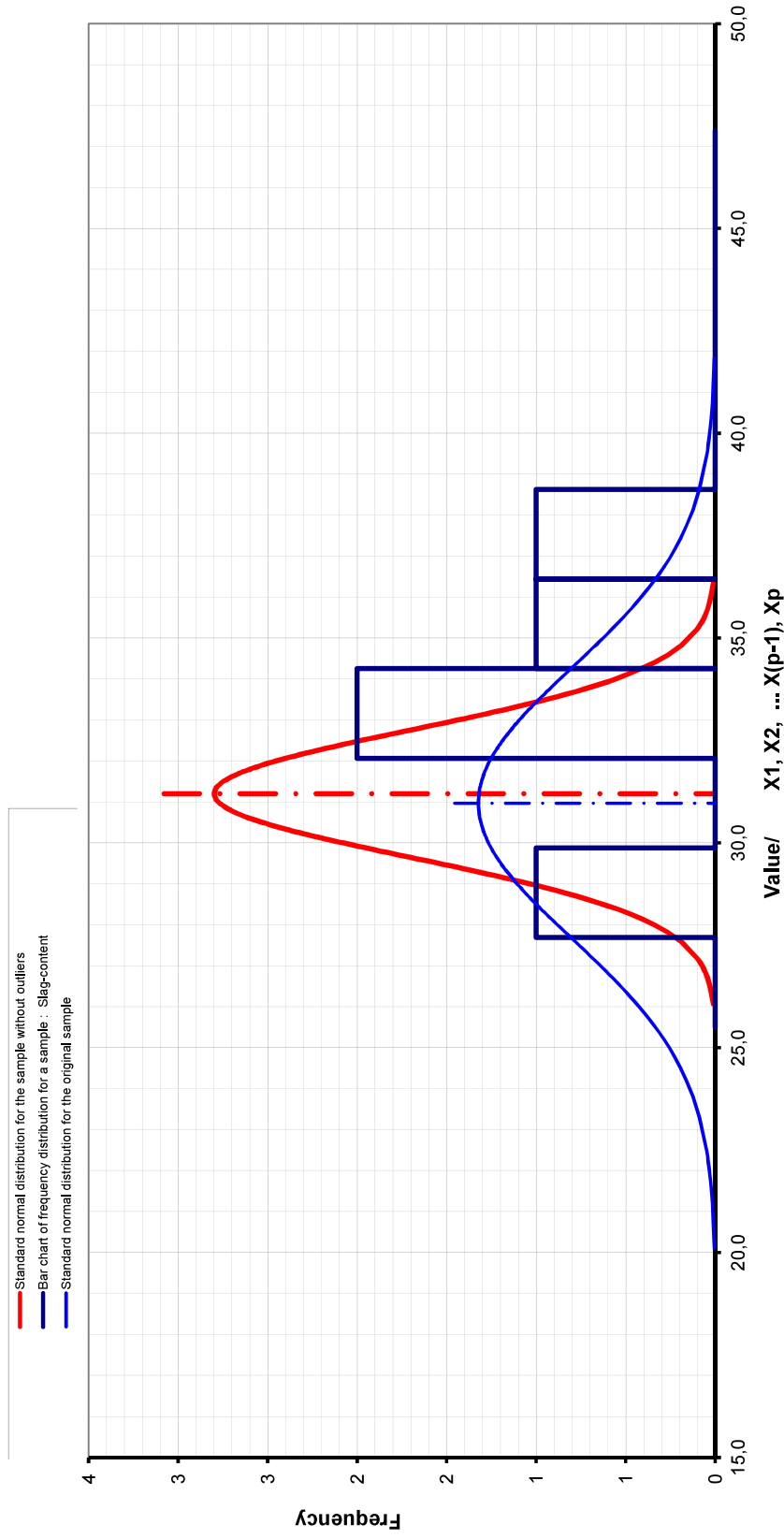
Bar chart of frequency distribution for: Potassiumoxid-content



A) Summary statistics for a sample :

		Slag-content				
		X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-1), Xp
Count (Sample size)	n	5	3	4	3	3
Minimum value	$X_{\min} = X_1$	26,25	30,35	26,25	26,25	30,25
Maximum value	$X_{\max} = X_p$	35	35,00	33,00	30,35	33,00
Range of sample	$R = X_{\max} - X_{\min}$	8,75	4,65	6,75	4,10	2,75
difference	$L_{m95\%} - L_{m95\%}$	18,32				#HODNOTA!
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	18,007				#HODNOTA!
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	21,810				#HODNOTA!
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	24,638				
Lower Grubbs confidence limit (for P=99%)	$X_{\min G1-1\%}$	25,15				
Lower Grubbs confidence limit (for P=95%)	$X_{\min G1+5\%}$	25,312				
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	30,97	32,783	29,963	28,95	31,20
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	4,58	#HODNOTA!	6,062	#HODNOTA!	#HODNOTA!
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	36,628		34,085		
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	36,79		34,127		
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	38,612				
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	40,13				#HODNOTA!
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	43,333				#HODNOTA!
Standard deviation of a sample	$Sx, p-1$	3,2994	2,3326	2,7834	2,3388	1,5596
Standard deviation	$Sx, 0$	2,951	1,9045	2,4105	1,9096	1,2734
Coefficient of variation	V	10,7%	7,1%	9,3%	8,1%	5,0%
Standard skewness	SK_{est}	-0,371	0,000	-0,713	-1,728	0,000
Standard kurtosis (excess)	Y_2	0,201	0,000	0,000	#DELENIENULOU!	0,000
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,776	#HODNOTA!	3,183	#HODNOTA!	#HODNOTA!
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	3,747	#HODNOTA!	4,541	#HODNOTA!	#HODNOTA!

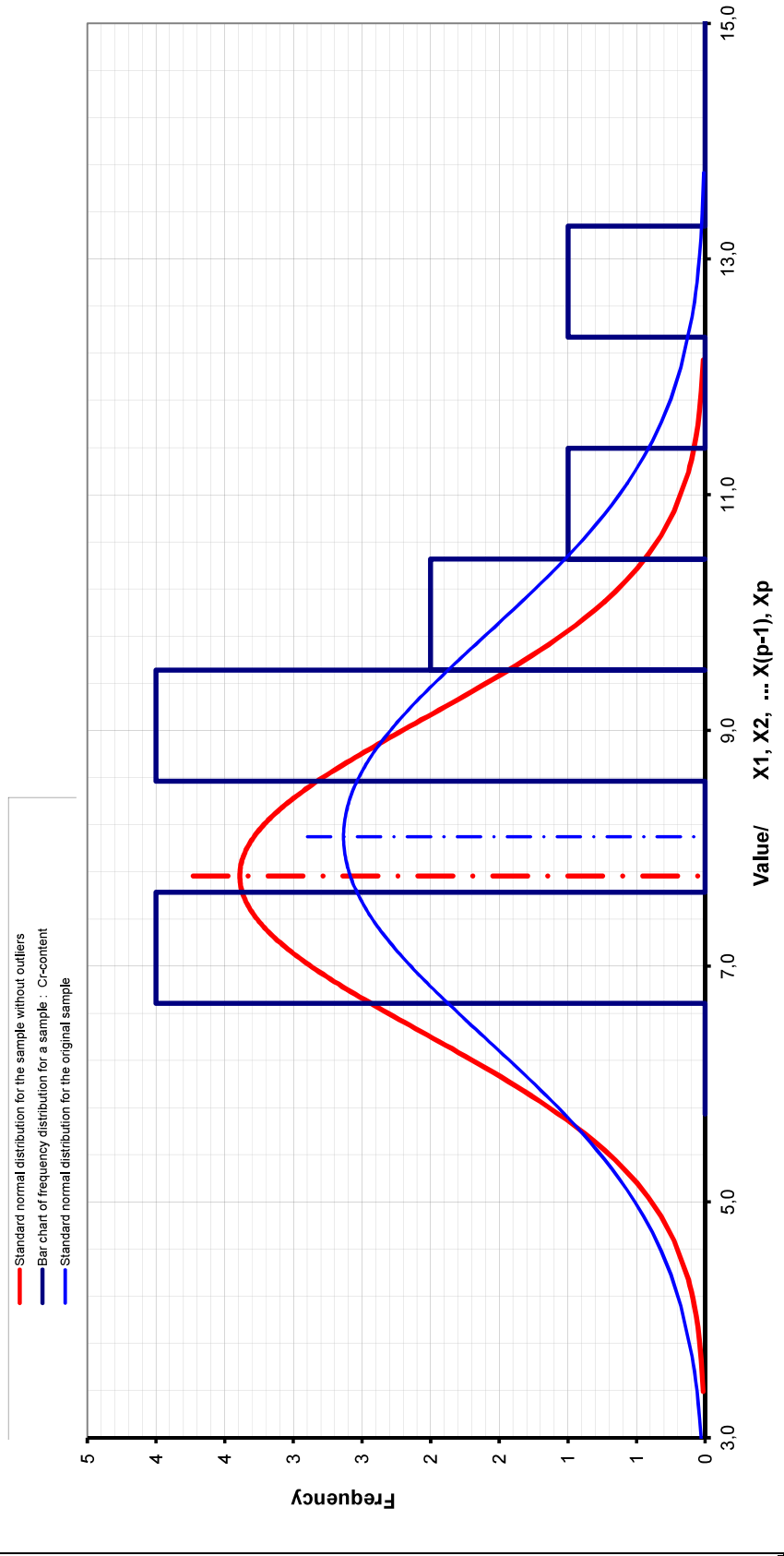
Bar chart of frequency distribution for: Slag-content



A) Summary statistics for a sample :

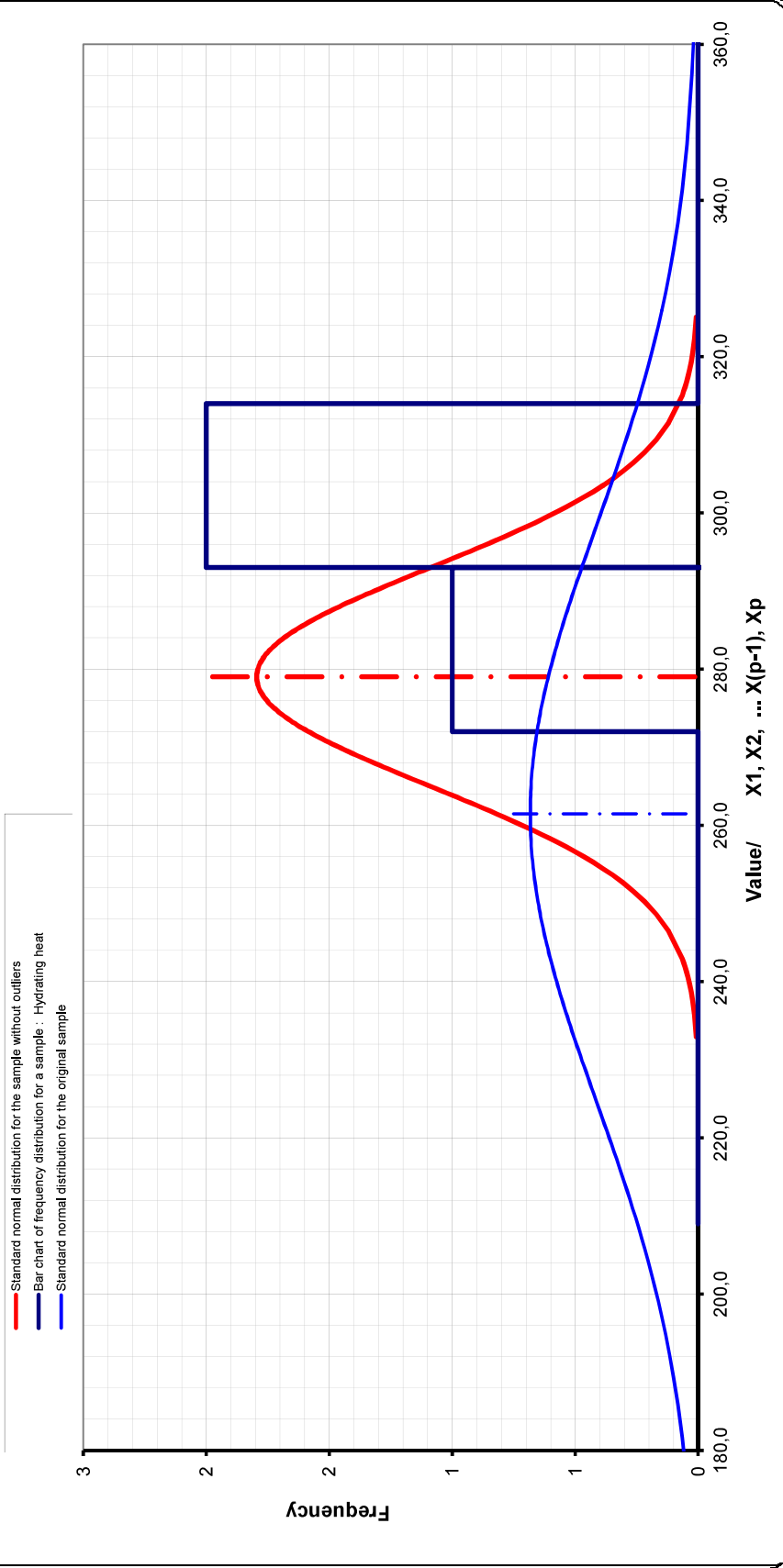
		Cr-content										
		X1, X2, ... X(p-1), Xp										
		10	9	11	10	10	9	11	10	10	11	10
		X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	Sample without outliers
Count (Sample size)	n	12										11
Minimum value	$X_{\min} = X_1$	6,1										6,10
Maximum value	$X_{\max} = X_p$	11,75										10,00
Range of sample	$R = X_{\max} - X_{\min}$	5,65										3,90
difference	$L_{m95\%} - L_{m95\%}$	7,536										5,928
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	3,445										4,09
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	4,330										4,802
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	3,887										
Lower Grubbs confidence limit (for P=99%)	$X_{\min G1-1\%}$	3,585										
Lower Grubbs confidence limit (for P=95%)	$X_{\min G1-5\%}$	3,969										
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	8,098										7,766
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	1,136										0,937
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	12,227										
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	12,611										
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	12,363										
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	11,866										10,73
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	12,751										11,442
Standard deviation of a sample	$S_{x,p-1}$	1,7119										1,3301
Standard deviation	$S_{x,0}$	1,639										1,2682
Coefficient of variation	V	21,1%										17,1%
Standard skewness	SK_{est}	0,663										-0,010
Standard kurtosis (excess)	Y_2	0,395										-1,151
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,201										2,228
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,718										2,764

Bar chart of frequency distribution for: Cr-content



Bar chart of frequency distribution for:

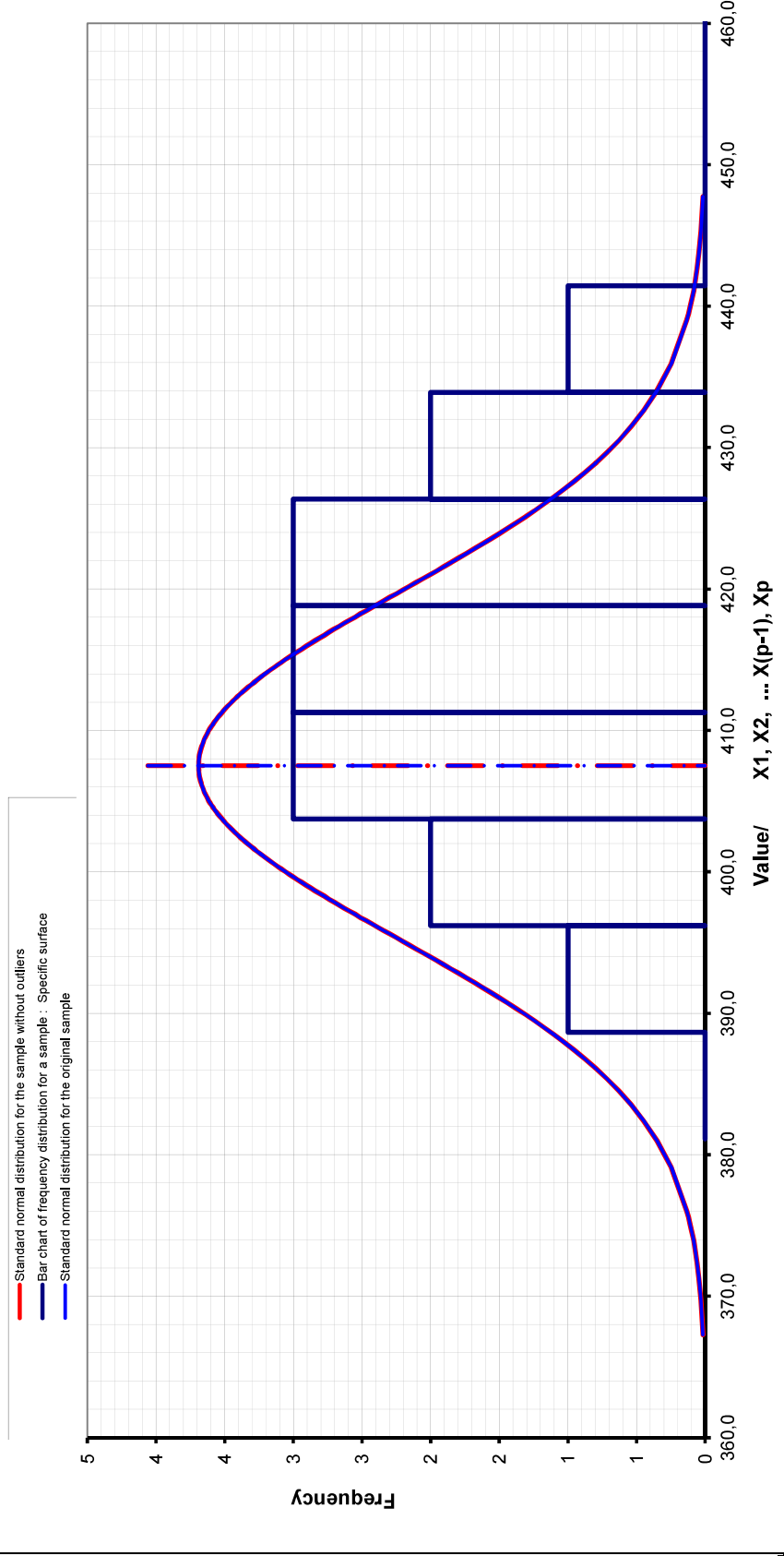
Hydrating heat



A) Summary statistics for a sample :

Specific surface							
	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	13	14	14	13	14	15
Minimum value	$X_{\min} = X_1$	385,4	385,40	385,40	385,40	385,40	385,40
Maximum value	$X_{\max} = X_p$	430,6	430,60	422,00	420,60	430,60	430,60
Range of sample	$R = X_{\max} - X_{\min}$	45,2	36,90	36,60	35,20	45,20	45,20
difference	$L_{m95\%} - L_{m95\%}$	52,44					52,44
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	375,42					375,42
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	381,290					381,29
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	376,54					
Lower Grubbs confidence limit (for P=99%)	$X_{\min G1-1\%}$	373,2					
Lower Grubbs confidence limit (for P=95%)	$X_{\min G1+5\%}$	380,01					
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	407,51	410,35	405,86	404,62	407,51	407,51
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	7,01	7,69	7,33	7,69	7,01	7,01
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	435,01		432,98			
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	441,82		435,96			
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	438,06					
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	433,73					433,73
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	439,6					439,6
Standard deviation of a sample	$S_{x,p-1}$	12,226	10,313	10,818	10,168	12,226	12,226
Standard deviation	$S_{x,0}$	11,812	9,909	10,424	9,769	11,812	11,812
Coefficient of variation	V	3,0%	2,5%	2,7%	2,5%	3,0%	3,0%
Standard skewness	SK_{est}	0,043	0,348	-0,267	-0,311	0,043	0,043
Standard kurtosis (excess)	Y_2	-0,335	-0,234	-0,587	-0,468	-0,335	-0,335
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,145	2,179	2,160	2,179	2,145	2,145
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,625	2,681	2,650	2,681	2,625	2,625

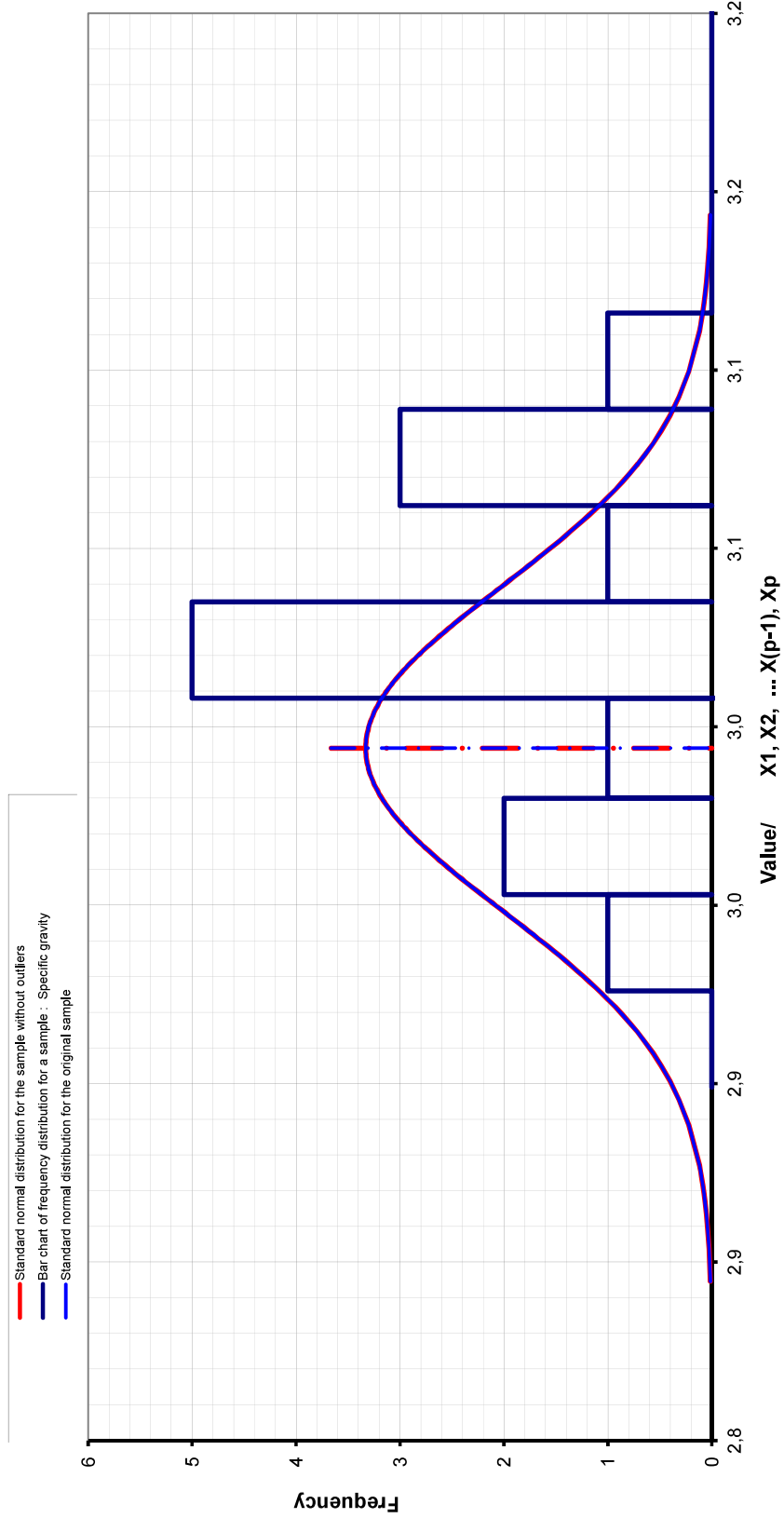
Bar chart of frequency distribution for: Specific surface



A) Summary statistics for a sample :

Specific gravity										
	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X1, X2, ... X(p-4), X(p-3), X(p-2)	X1, X2, ... X(p-5), X(p-4), X(p-3), X(p-2)	X1, X2, ... X(p-6), X(p-5), X(p-4), X(p-3), X(p-2)	X1, X2, ... X(p-7), X(p-6), X(p-5), X(p-4), X(p-3), X(p-2)	X1, X2, ... X(p-8), X(p-7), X(p-6), X(p-5), X(p-4), X(p-3), X(p-2)	X1, X2, ... X(p-9), X(p-8), X(p-7), X(p-6), X(p-5), X(p-4), X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	13	12	11	10	9	8	7	6	14
Minimum value	$X_{\min} = X_1$	2,93	2,94	2,91	2,91	2,91	2,91	2,91	2,91	2,91
Maximum value	$X_{\max} = X_p$	3,07	3,07	3,04	3,04	3,04	3,04	3,04	3,04	3,07
Range of sample	$R = X_{\max} - X_{\min}$	0,14	0,13	0,13	0,13	0,13	0,13	0,13	0,13	0,16
difference	$L_{m95\%} - L_{m95\%}$									0,196
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$									2,874
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$									2,896
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$									2,87
Lower Grubbs confidence limit (for P=99%)	$X_{\min G1-1\%}$									2,869
Lower Grubbs confidence limit (for P=95%)	$X_{\min G1-5\%}$									2,88
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	3,001	3,007	2,988	2,973	2,973	2,973	2,973	2,973	2,994
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,029	0,03	0,029	0,034	0,034	0,034	0,034	0,034	0,027
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$									3,108
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$									3,119
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$									3,1
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$									3,092
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$									3,114
Standard deviation of a sample	$S_{x,p-1}$	0,0399	0,0352	0,0414	0,0337	0,0337	0,0337	0,0337	0,0337	0,0454
Standard deviation	$S_{x,0}$									0,0437
Coefficient of variation	V	0,0383	0,0337	0,0398	0,032	0,032	0,032	0,032	0,032	0,0437
Standard skewness	SK_{est}	1,3%	1,2%	1,4%	1,1%	1,1%	1,1%	1,1%	1,1%	1,5%
Standard kurtosis (excess)	Y_2	-0,123	0,077	-0,520	-1,000	-1,000	-1,000	-1,000	-1,000	-0,291
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	-0,166	0,087	-0,337	-0,422	-0,422	-0,422	-0,422	-0,422	-0,304
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,179	2,201	2,179	2,262	2,262	2,262	2,262	2,262	2,160
		2,681	2,718	2,681	2,821	2,821	2,821	2,821	2,821	2,650

Bar chart of frequency distribution for: Specific gravity

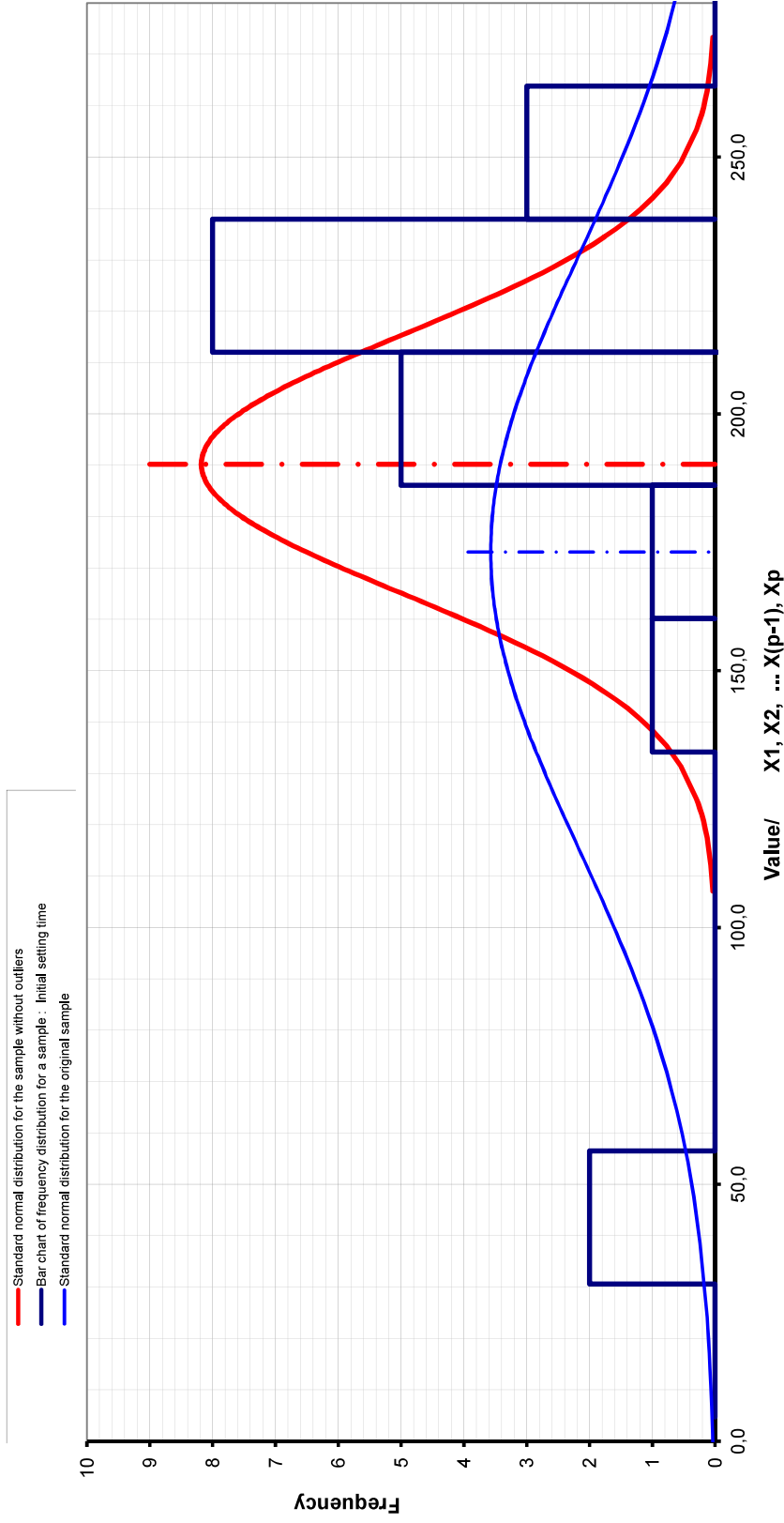


A) Summary statistics for a sample :

Initial setting time							
	X1, X2, ... X(p-1), Xp	19	18	18	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	20					18
Minimum value	$X_{\min} = X_1$	18			18,00	18,00	130,00
Maximum value	$X_{\max} = X_p$	225			225,00	220,00	225,00
Range of sample	$R = X_{\max} - X_{\min}$	207			202,00	207,00	95,00
difference	$L_{m95\%} - L_{m95\%}$	242,2				189,00	95,00
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	26,2					106,6
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	52,000					125,3
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	-51,6					136,9
Lower Grubbs confidence limit (for P=99%)	$X_{\min G1-1\%}$	-0,5					
Lower Grubbs confidence limit (for P=95%)	$X_{\min G1-5\%}$	16,4					
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	173,1			190,2	167,3	164,2
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	27,8			29,6	29,6	30,7
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	329,8			323,4		
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	346,7			340,1		
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	291,6					
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	294,2					243,5
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	320					255,1
Standard deviation of a sample	$S_{x,p-1}$	57,85			58,21	58,44	25,27
Standard deviation	$S_{x,0}$	56,39			24,55	56,57	24,55
Coefficient of variation	V	33,4%			13,3%	34,8%	35,6%
Standard skewness	SK_{est}	-2,075			-0,838	-2,064	-2,053
Standard kurtosis (excess)	Y_2	3,908			0,817	3,594	3,400
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,093			2,110	2,110	2,120
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,540			2,567	2,567	2,567

Bar chart of frequency distribution for:

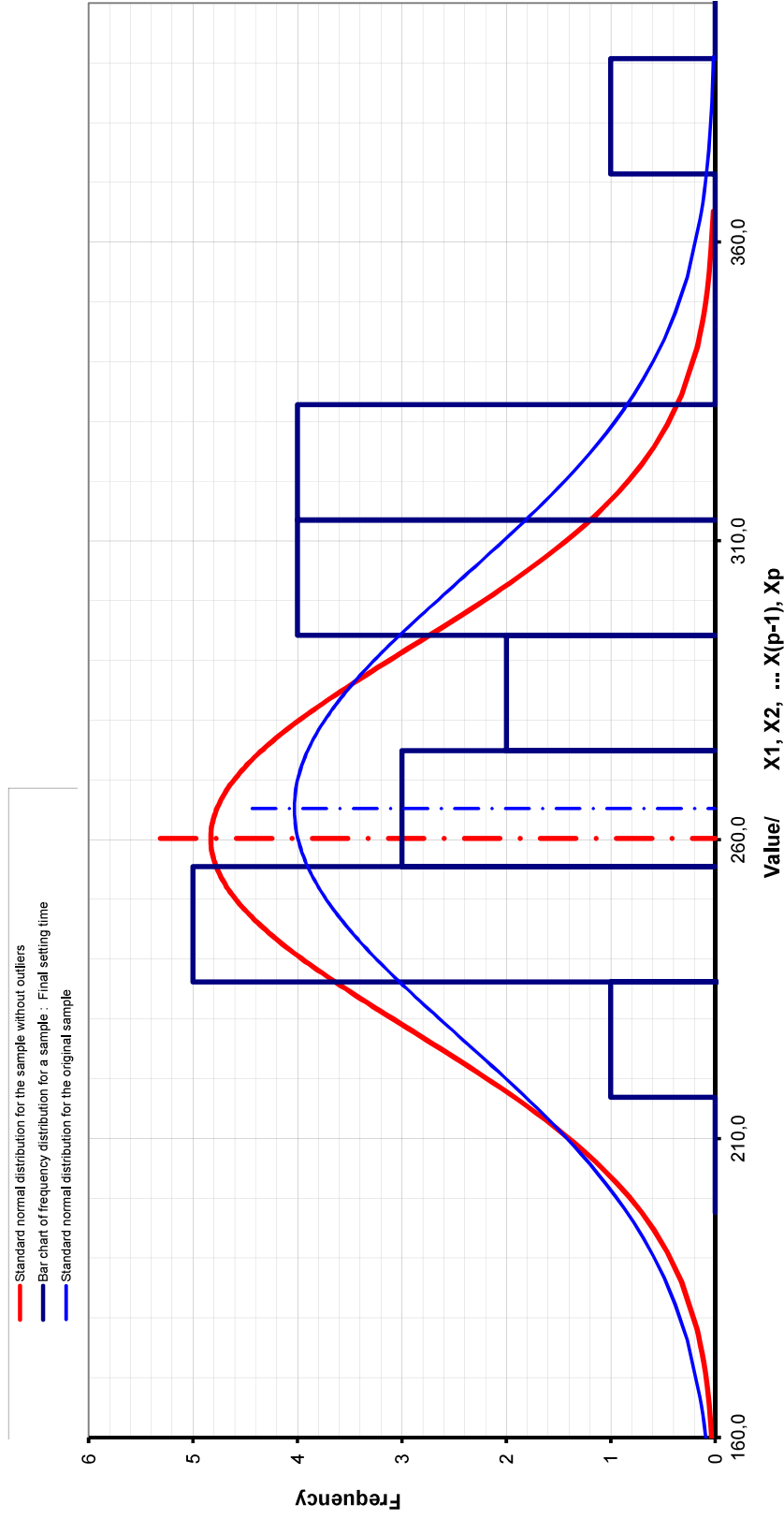
Initial setting time



A) Summary statistics for a sample :

Final setting time						
	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X1, X2, ... X(p-4), X(p-3), X(p-2)	X1, X2, ... X(p-5), X(p-4), X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	19	18	19	18	19
Minimum value	$X_{\min} = X_1$	220,00	225,00	206,00	206,00	206,00
Maximum value	$X_{\max} = X_p$	360,00	360,00	310,00	301,00	310,00
Range of sample	$R = X_{\max} - X_{\min}$	140,00	135,00	104,00	95,00	104,00
difference	$\Delta_{L_{95\%}} = L_{95\%} - \dots$					134
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$					178,8
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$					193,2
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$					
Lower Grubbs confidence limit (for P=99%)	$X_{\min G-1\%}$	159,7				
Lower Grubbs confidence limit (for P=95%)	$X_{\min G-5\%}$	170,2				
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	268,3	271	260,2	257,4	260,2
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	18,9	19,6	18,9	19,6	15,8
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$			345,7		
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$			354,9		
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$					
Upper Irwin confidence limit (for P=95%)	$L_{m95\%}$					327,2
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$					341,6
Standard deviation of a sample	$S_{x, p-1}$	36,58	35,66	31,9	30,39	31,9
Standard deviation	$S_{x, 0}$	35,6	34,66	31,05	29,53	31,05
Coefficient of variation	V	13,6%	13,2%	12,3%	11,8%	12,3%
Standard skewness	SK_{est}	0,705	0,721	-0,003	0,013	-0,003
Standard kurtosis (excess)	Y_2	0,475	0,621	-1,290	-1,287	-1,290
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,101	2,110	2,101	2,110	2,101
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,552	2,567	2,552	2,567	2,552

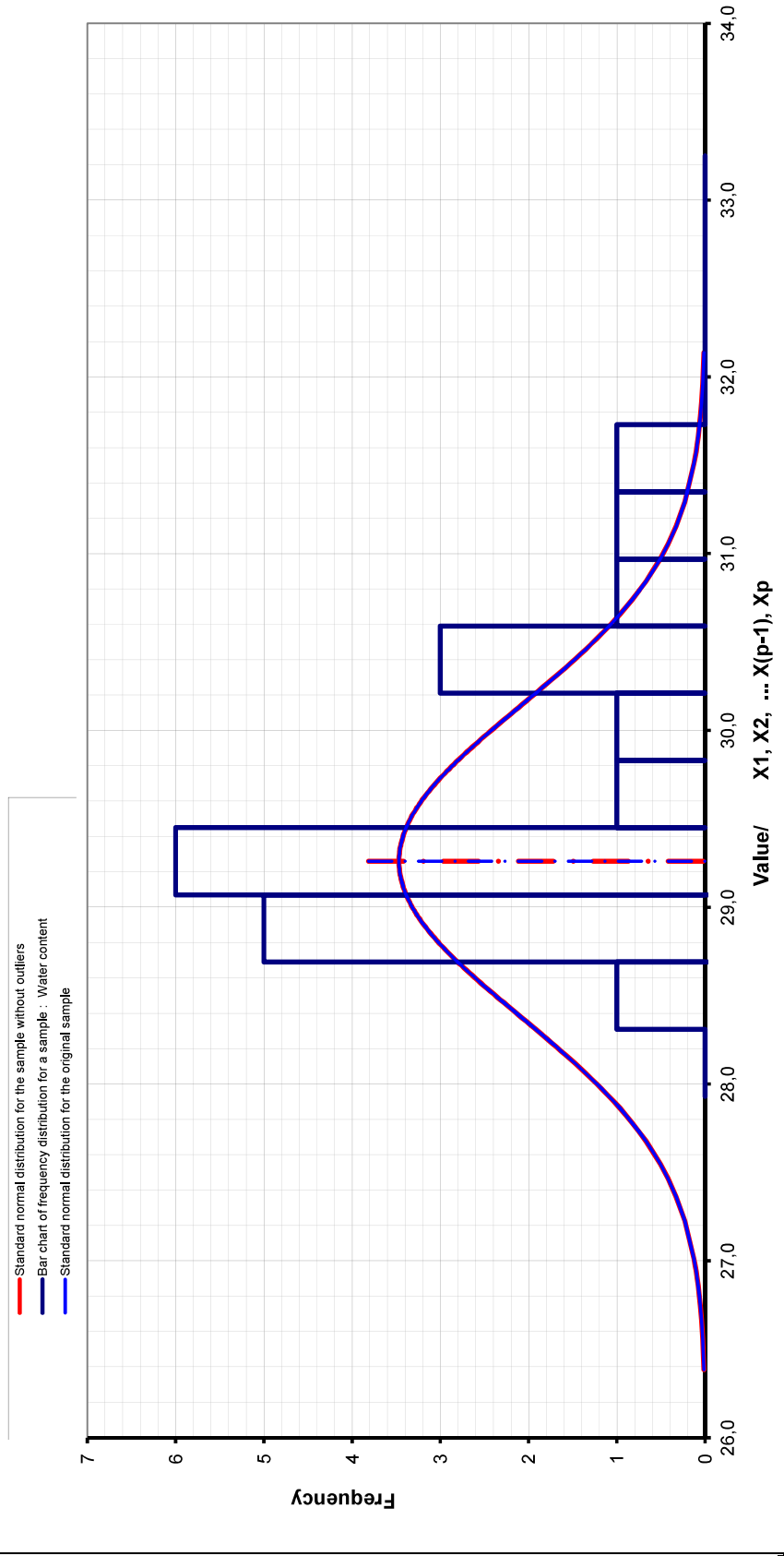
Bar chart of frequency distribution for: Final setting time



A) Summary statistics for a sample :

Water content							
	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	20	18	19	17	19	20
Minimum value	$X_{\min} = X_1$	26	28,00	28,00	28,50	28,00	28,00
Maximum value	$X_{\max} = X_p$	31	31,00	30,80	31,00	30,50	31,00
Range of sample	$R = X_{\max} - X_{\min}$	3	2,80	2,80	2,50	2,50	3,00
difference $L_{m95\%} - L_{m95\%}$	$\Delta L_{95\%}$	3,66					3,66
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	27,04					27,04
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	27,430					27,43
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	27,32					
Lower Grubbs confidence limit (for P=99%)	$X_{\min G1-1\%}$	26,64					
Lower Grubbs confidence limit (for P=95%)	$X_{\min G1+5\%}$	26,89					
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	29,26	29,16	29,16	29,43	29,07	29,26
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,42	0,43	0,43	0,46	0,45	0,42
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	31,63	31,29	31,29			
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	31,88					
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	31,88					
Upper Irwin confidence limit (for P=95%)	$L_{m95\%}$	31,09					31,09
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	31,48					31,48
Standard deviation of a sample	$S_{x, p-1}$	0,874	0,793	0,793	0,828	0,707	0,874
Standard deviation	$S_{x, 0}$	0,852				0,687	0,852
Coefficient of variation	V	3,0%	2,7%	2,7%	2,8%	2,4%	3,0%
Standard skewness	SK_{est}	0,701	0,726	0,726	0,674	0,708	0,701
Standard kurtosis (excess)	Y_2	-0,670	-0,530	-0,530	-0,970	-0,493	-0,670
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,093	2,101	2,101	2,120	2,110	2,093
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,540	2,552	2,552	2,584	2,567	2,540

Bar chart of frequency distribution for: Water content

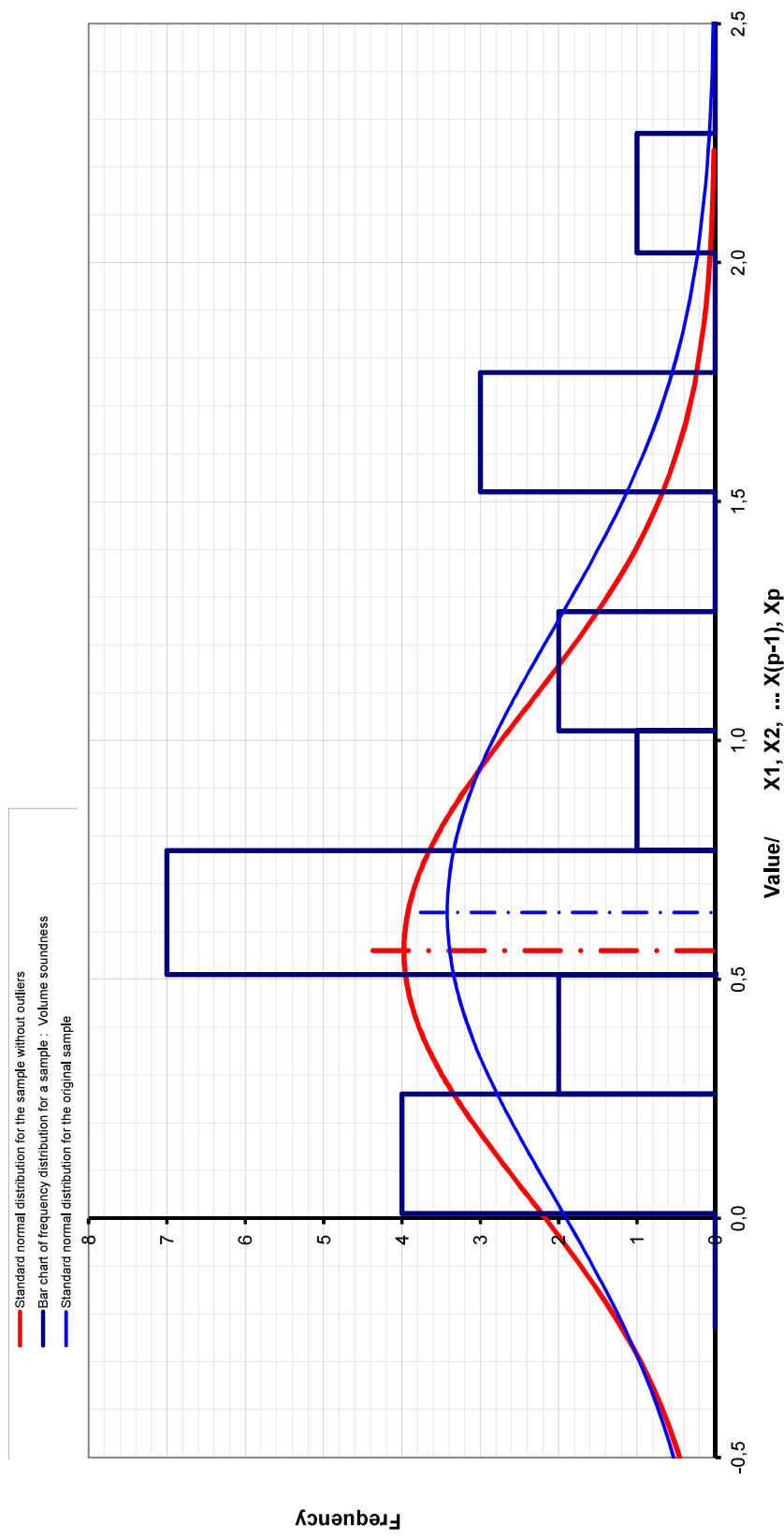


A) Summary statistics for a sample :

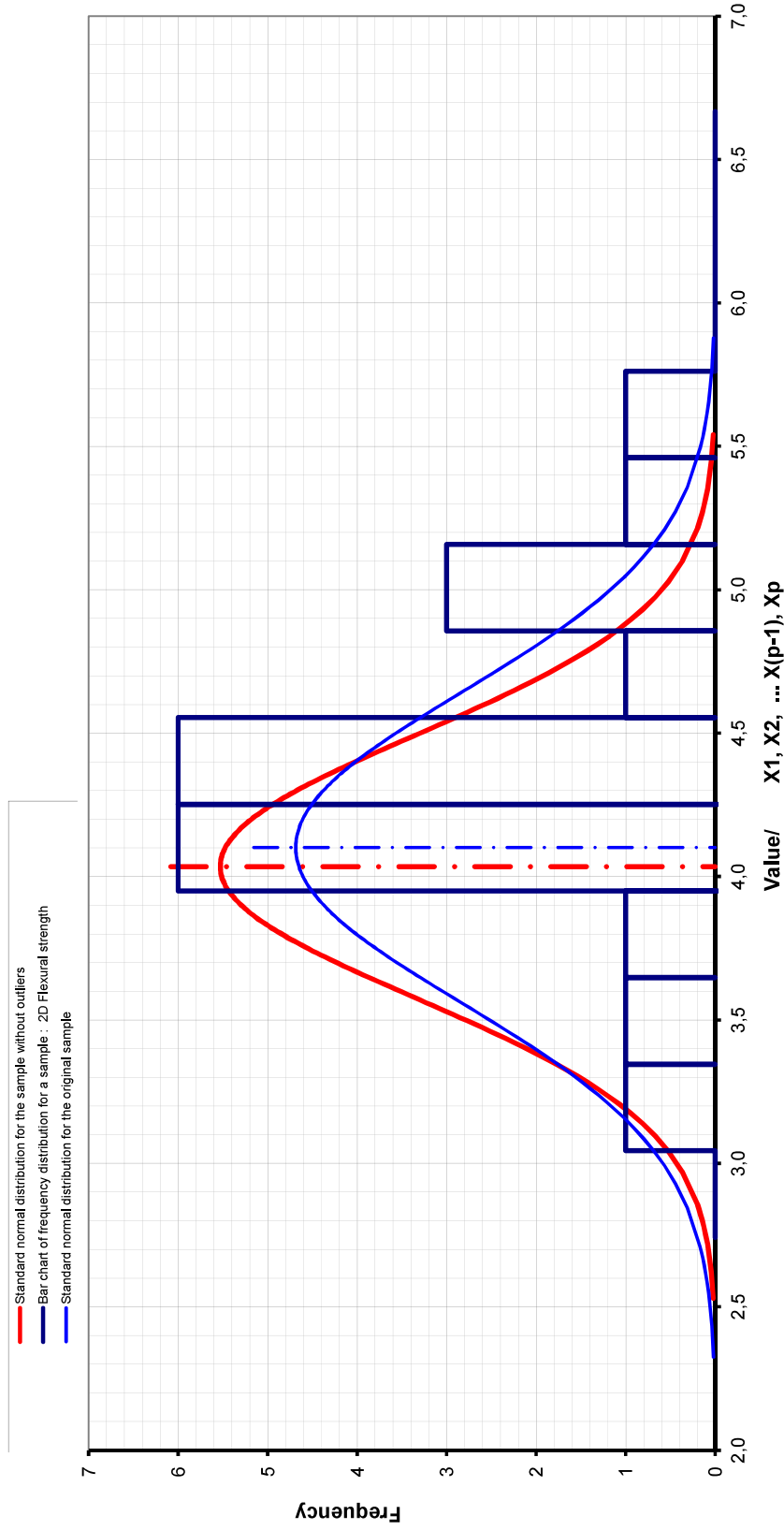
Volume soundness	
	X1, X2, ... X(p-1), Xp
Count (Sample size)	20
Minimum value	0
Maximum value	2
Range of sample	2
difference $L_{m95\%} - L_{m95\%}$	2,48
Lower confidence limits after elimination of outliers (for P=98%)	-0,86
Lower confidence limits after elimination of outliers (for P=95%)	-0,600
Lower Irwin confidence limit (for P=95%)	-0,53
Lower Grubbs confidence limit (for P=99%)	-1,13
Lower Grubbs confidence limit (for P=95%)	-0,96
Average (arithmetic mean) $\bar{x} = 1/p \sum (X_i)$	0,64
Precision of a measure of the mean (for P=95%)	0,28
Upper Grubbs confidence limit (for P=99%)	2,24
Upper Grubbs confidence limit (for P=95%)	2,41
Upper Irwin confidence limit (for P=99%)	2,23
Upper confidence limits after elimination of outliers (for P=95%)	1,88
Upper confidence limits after elimination of outliers (for P=98%)	2,14
Standard deviation of a sample	0,591
Standard deviation	0,576
Coefficient of variation	92,3%
Standard skewness	0,946
Standard kurtosis (excess)	-0,019
t-value of the Student's distribution for P=95%	2,093
t-value of the Student's distribution for P=98%	2,540

	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers
	16	14	19	16	19
	0,20	0,30	0,00	0,00	0,00
	2,00	2,00	1,50	1,00	1,50
	1,80	1,70	1,50	1,00	1,50
					2,14
					-0,74
					-0,51
	-0,79				
	-0,64				
	0,79	0,88	0,56	0,39	0,56
	0,33	0,35	0,29	0,33	0,25
			1,88		
			2,01		
					1,63
					1,86
	0,554	0,541	0,509	0,32	0,509
	0,537	0,521	0,495	0,31	0,495
	70,1%	61,5%	90,9%	82,1%	90,9%
	0,937	0,872	0,847	0,533	0,847
	-0,292	-0,549	-0,306	-0,133	-0,306
	2,132	2,160	2,101	2,132	2,101
	2,603	2,650	2,552	2,603	2,552

Bar chart of frequency distribution for: Volume soundness



Bar chart of frequency distribution for: 2D Flexural strength



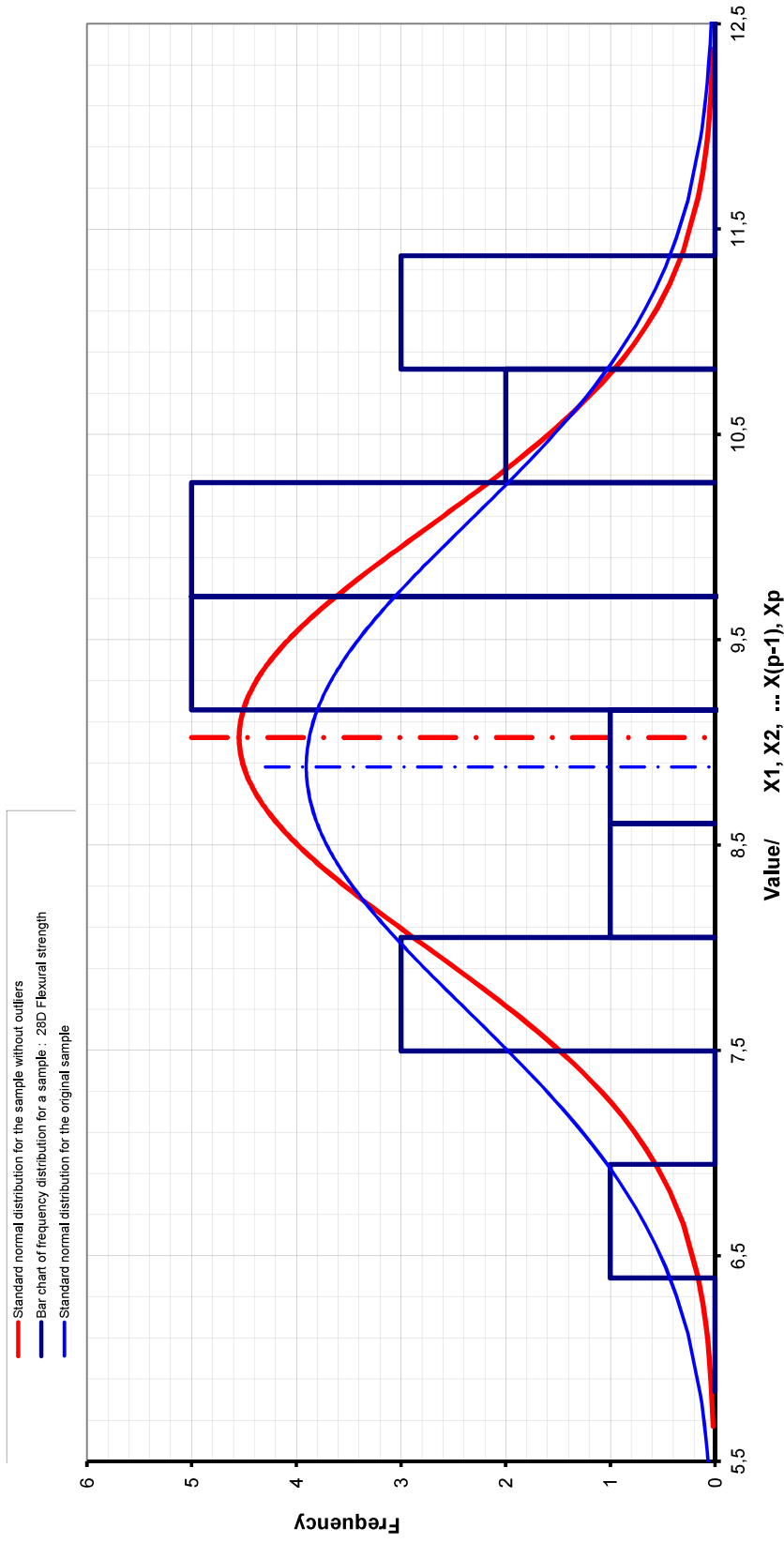
A) Summary statistics for a sample :

28D Flexural strength

	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	21	19	20	20
Minimum value	$X_{\min} = X_1$	6,05	7,25	6,05	6,05
Maximum value	$X_{\max} = X_p$	10,47	10,47	10,45	10,47
Range of sample	$R = X_{\max} - X_{\min}$	4,42	3,22	4,40	4,28
difference $L_{m95\%} - L_{m98\%}$	$\Delta L_{-95\%}$	4,95			
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	5,882			
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	6,406			
Lower Irwin confidence limit (for P=95%)	$X_{\min Iw-5\%}$	5,746			
Lower Grubbs confidence limit (for P=99%)	$X_{\min GI-1\%}$	5,285			
Lower Grubbs confidence limit (for P=95%)	$X_{\min GI-5\%}$	5,639			
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	8,881	9,119	8,802	8,715
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,553	0,587	0,57	0,587
Upper Grubbs confidence limit (for P=99%)	$X_{\max Gp-5\%}$	12,123		11,94	
Upper Grubbs confidence limit (for P=95%)	$X_{\max Gp-1\%}$	12,477		12,279	
Upper Irwin confidence limit (for P=99%)	$X_{\max Iw-5\%}$	11,904			
Upper Irwin confidence limit (for P=95%)	$L_{m95\%}$	11,356			
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	11,88			
Standard deviation of a sample	$S_{x,p-1}$	1,1864	0,9497	1,1585	1,1215
Standard deviation	$S_{x,0}$	1,1578	0,9243	1,1292	1,0916
Coefficient of variation	V	13,4%	10,4%	13,2%	12,9%
Standard skewness	SK_{est}	-0,788	-0,593	-0,818	-0,894
Standard kurtosis (excess)	Y_2	0,145	-0,033	0,187	0,227
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,086	2,101	2,093	2,101
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,528	2,552	2,540	2,552

	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers
	7,20	7,20	6,05	6,05	7,20
	10,47	10,47	10,45	10,33	10,47
	3,27	3,27	4,40	4,28	3,27
					4,266
					6,435
					6,89
	5,965				
	6,262				
	9,023	9,119	8,802	8,715	9,023
	0,57	0,587	0,57	0,587	0,489
			11,94		
			12,279		
					11,156
					11,611
	1,0191	0,9497	1,1585	1,1215	1,0191
	0,9933	0,9243	1,1292	1,0916	0,9933
	11,3%	10,4%	13,2%	12,9%	11,3%
	-0,528	-0,593	-0,818	-0,894	-0,528
	-0,464	-0,033	0,187	0,227	-0,464
	2,093	2,101	2,093	2,101	2,093
	2,540	2,552	2,540	2,552	2,540

Bar chart of frequency distribution for: 28D Flexural strength

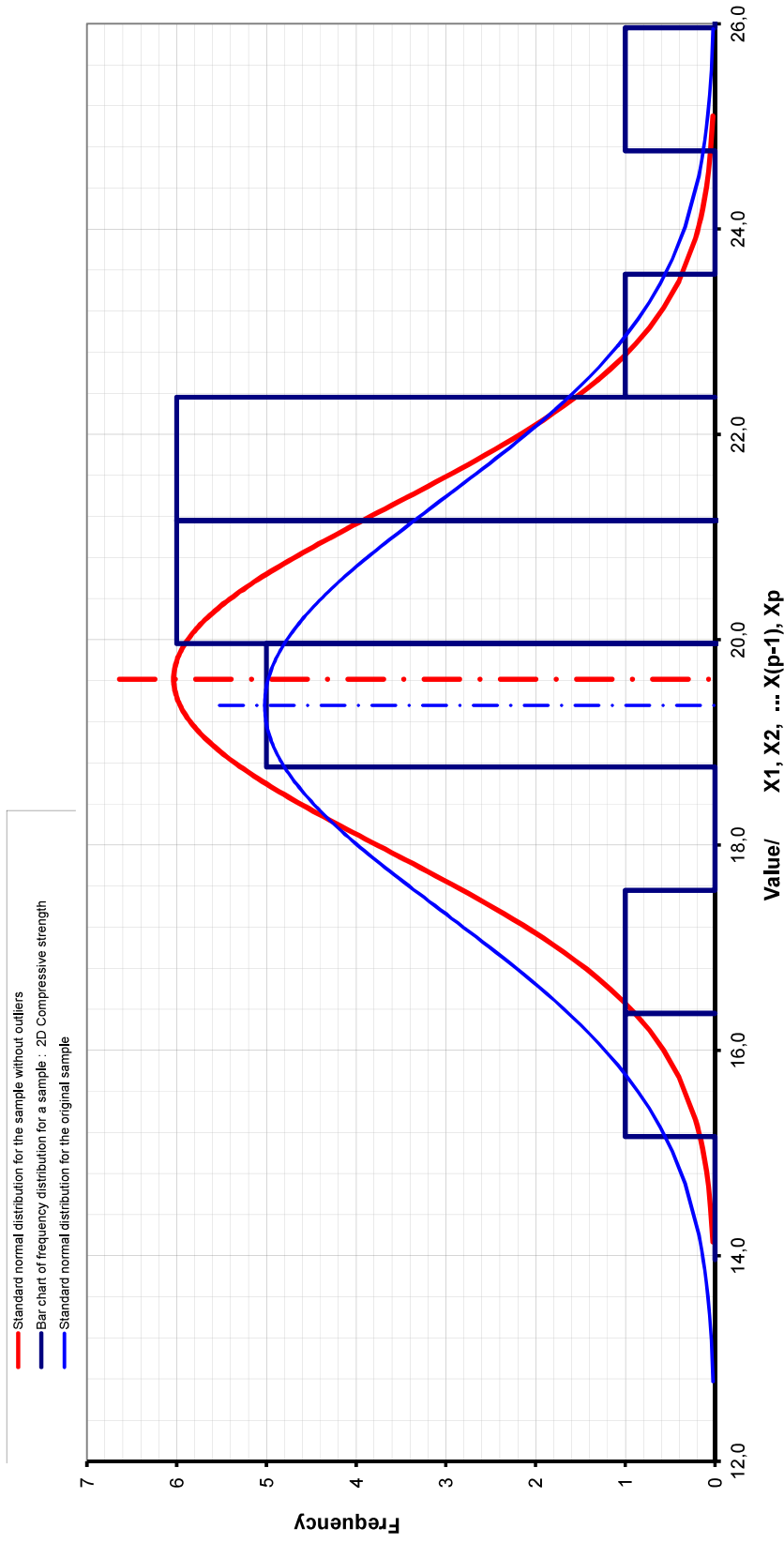


A) Summary statistics for a sample :

2D Compressive strength

	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	21	20	19	20	19	20	19	20
Minimum value	$X_{min} = X_1$	14,25	15,82	17,82	14,25	14,25	14,25	14,25	15,82
Maximum value	$X_{max} = X_p$	23,85	23,85	23,85	22,26	20,94	22,26	20,94	23,85
Range of sample	$R = X_{max} - X_{min}$	9,6	8,03	6,03	8,01	6,69	8,01	6,69	8,03
difference	$L_{m95\%} - L_{m95\%}$	8,352							6,974
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	14,3							15,386
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	15,185							16,113
Lower Irwin confidence limit (for P=95%)	$X_{minIwI-5\%}$	13,367							
Lower Grubbs confidence limit (for P=99%)	$X_{minGI-1\%}$	13,293							
Lower Grubbs confidence limit (for P=95%)	$X_{minGI-5\%}$	13,889							
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	19,361	19,617	19,817	19,137	18,973	19,137	18,973	19,617
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	0,934	0,961	0,991	0,961	0,991	0,961	0,991	0,8
Upper Grubbs confidence limit (for P=99%)	$X_{maxGp-5\%}$	24,833			23,911		23,911		
Upper Grubbs confidence limit (for P=95%)	$X_{maxGp-1\%}$	25,429			24,426		24,426		
Upper Irwin confidence limit (for P=99%)	$X_{maxIwI-5\%}$	24,713							
Upper Irwin confidence limit (for P=95%)	$L_{m95\%}$	23,537							23,104
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	24,422							23,848
Standard deviation of a sample	$S_{x,p-1}$	2,0021	1,6661	1,4446	1,7624	1,6457	1,7624	1,6457	1,6661
Standard deviation	$S_{x,0}$	1,9539	1,6239	1,4061	1,7178	1,6018	1,7178	1,6018	1,6239
Coefficient of variation	V	10,3%	8,5%	7,3%	9,2%	8,7%	9,2%	8,7%	8,5%
Standard skewness	SK_{est}	-0,433	0,378	1,277	-1,211	-1,667	-1,211	-1,667	0,378
Standard kurtosis (excess)	Y_2	2,104	2,099	2,396	2,524	3,072	2,524	3,072	2,099
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,086	2,093	2,101	2,093	2,101	2,093	2,101	2,093
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,528	2,540	2,552	2,540	2,552	2,540	2,552	2,540

Bar chart of frequency distribution for: 2D Compressive strength



A) Summary statistics for a sample :

28D Compressive strength

	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1), X1, X2, ... X(p-3), X(p-2)	Sample without outliers
Count (Sample size)	n	21	19	20
Minimum value	$X_{min} = X_1$	48,54	48,54	48,54
Maximum value	$X_{max} = X_p$	59,11	59,11	56,37
Range of sample	$R = X_{max} - X_{min}$	10,57	9,88	7,83
difference	$L_{m95\%} - L_{m95\%}$	11,11		
Lower confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	46,007		9,566
Lower confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	47,185		46,617
Lower Irwin confidence limit (for P=95%)	$X_{minIw-5\%}$	45,707		47,638
Lower Grubbs confidence limit (for P=99%)	$X_{minG1-1\%}$	44,668		
Lower Grubbs confidence limit (for P=95%)	$X_{minG1-5\%}$	45,461		
Average (arithmetic mean)	$\bar{x} = 1/p \sum (X_i)$	52,74	53,159	52,213
Precision of a measure of the mean (for P=95%)	$\pm \epsilon$	1,242	1,319	1,319
Upper Grubbs confidence limit (for P=99%)	$X_{maxGp-5\%}$	60,019		58,612
Upper Grubbs confidence limit (for P=95%)	$X_{maxGp-1\%}$	60,812		59,279
Upper Irwin confidence limit (for P=99%)	$X_{maxIw-5\%}$	59,633		
Upper confidence limits after elimination of outliers (for P=95%)	$L_{m95\%}$	58,295		57,204
Upper confidence limits after elimination of outliers (for P=98%)	$L_{m98\%}$	59,473		58,225
Standard deviation of a sample	$S_{x,p-1}$	2,6632	2,4343	2,2854
Standard deviation	$S_{x,0}$	2,599	2,3693	2,2275
Coefficient of variation	V	5,0%	4,6%	4,1%
Standard skewness	SK_{est}	0,379	0,524	-0,272
Standard kurtosis (excess)	Y_2	0,191	0,681	-0,992
t-value of the Student's distribution for P=95%	$t_{(p-1), \alpha=2,5\%}$	2,086	2,101	2,101
t-value of the Student's distribution for P=98%	$t_{(p-1), \alpha=1,0\%}$	2,528	2,552	2,552

	X2, X3, ... X(p-1), Xp	X3, X4, ... X(p-1), Xp	X1, X2, ... X(p-2), X(p-1)	X1, X2, ... X(p-3), X(p-2)	Sample without outliers
	20	19	20	19	20
	48,97	49,23	48,54	48,54	48,54
	59,11	59,11	56,37	55,55	56,37
	10,14	9,88	7,83	7,01	7,83
					9,566
					46,617
					47,638
	45,304				
	46,048				
	52,95	53,159	52,421	52,213	52,421
	1,279	1,319	1,279	1,319	1,097
			58,612		
			59,279		
					57,204
					58,225
	2,5478	2,4343	2,2854	2,145	2,2854
	2,4833	2,3693	2,2275	2,0878	2,2275
	4,8%	4,6%	4,4%	4,1%	4,4%
	0,445	0,524	-0,164	-0,272	-0,164
	0,414	0,681	-0,878	-0,992	-0,878
	2,093	2,101	2,093	2,101	2,093
	2,540	2,552	2,540	2,552	2,540

Bar chart of frequency distribution for: 28D Compressive strength

