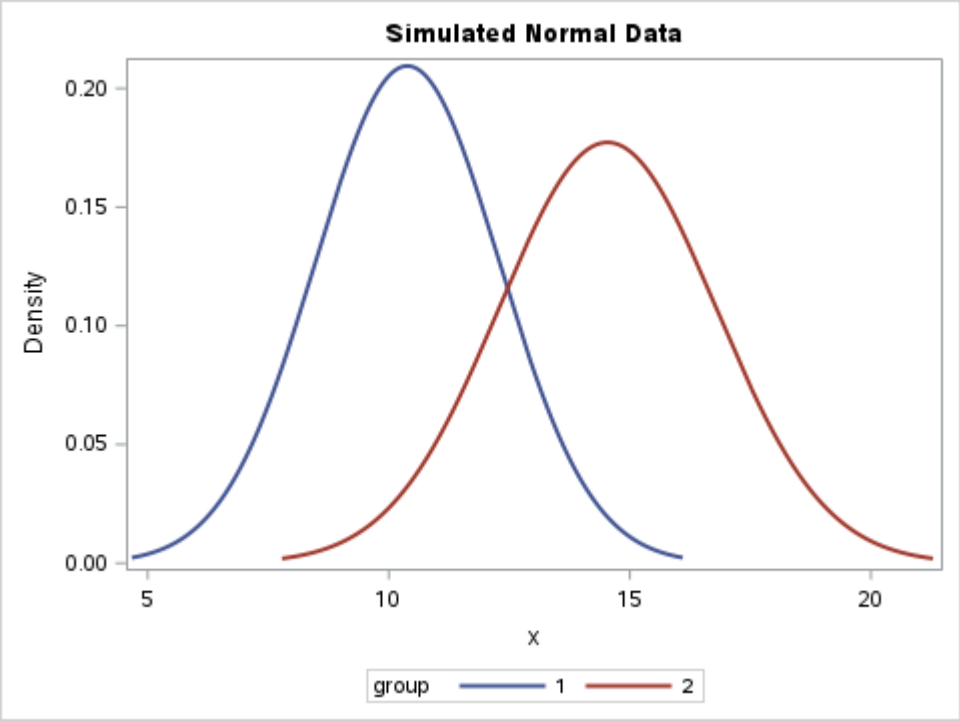


Simulated Normal Data
Descriptive Statistics

The UNIVARIATE Procedure
Variable: x

Moments			
N	100	Sum Weights	100
Mean	12.4602097	Sum Observations	1246.02097
Std Deviation	2.94209405	Variance	8.65591739
Skewness	0.05925689	Kurtosis	-0.9004135
Uncorrected SS	16382.6184	Corrected SS	856.935822
Coeff Variation	23.6119144	Std Error Mean	0.2942094

Basic Statistical Measures			
Location		Variability	
Mean	12.46021	Std Deviation	2.94209
Median	12.14701	Variance	8.65592
Mode	.	Range	12.16349
		Interquartile Range	4.61327

Tests for Location: Mu0=12				
Test	Statistic		p Value	
Student's t	t	1.564225	Pr > |t|	0.1210
Sign	M	1	Pr >= |M|	0.9204
Signed Rank	S	408	Pr >= |S|	0.1617

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.975156	Pr < W	0.0555
Kolmogorov-Smirnov	D	0.064617	Pr > D	>0.1500

Tests for Normality				
Test	Statistic		p Value	
Cramer-von Mises	W-Sq	0.109169	Pr > W-Sq	0.0870
Anderson-Darling	A-Sq	0.699067	Pr > A-Sq	0.0696

Trimmed Means								
Percent Trimmed in Tail	Number Trimmed in Tail	Trimmed Mean	Std Error Trimmed Mean	95% Confidence Limits		DF	t for H0: Mu0=12.00	Pr > |t|
5.00	5	12.47336	0.315312	11.84684	13.09988	89	1.501243	0.1368

Winsorized Means								
Percent Winsorized in Tail	Number Winsorized in Tail	Winsorized Mean	Std Error Winsorized Mean	95% Confidence Limits		DF	t for H0: Mu0=12.00	Pr > |t|
5.00	5	12.49291	0.315489	11.86604	13.11978	89	1.562380	0.1217

Quantiles (Definition 5)	
Level	Quantile
100% Max	18.08612
99%	17.83915
95%	17.34416
90%	16.52297
75% Q3	14.85285
50% Median	12.14701
25% Q1	10.23958
10%	8.74043
5%	7.98849
1%	6.44255
0% Min	5.92263

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
5.92263	41	17.3490	71
6.96247	17	17.4432	68
7.12506	13	17.5190	83
7.44037	9	17.5922	59
7.97850	5	18.0861	100

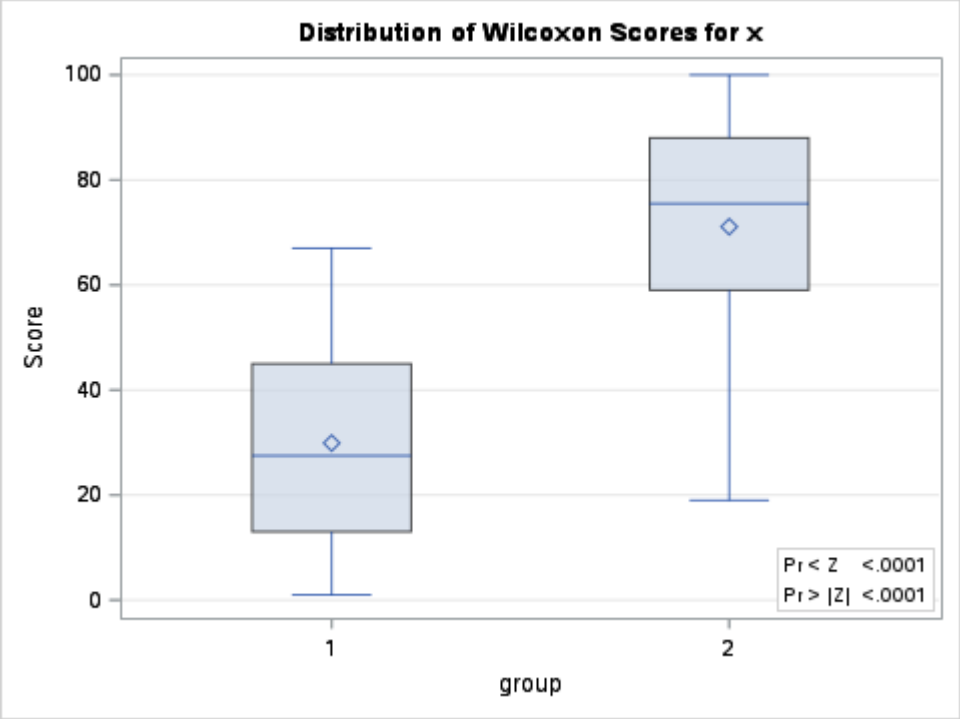
Simulated Normal Data
Nonparametric Test of Hypothesis

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable x Classified by Variable group					
group	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	50	1495.0	2525.0	145.057460	29.90
2	50	3555.0	2525.0	145.057460	71.10

Wilcoxon Two-Sample Test					
				t Approximation	
Statistic	Z	Pr < Z	Pr > |Z|	Pr < Z	Pr > |Z|
1495.000	-7.0972	<.0001	<.0001	<.0001	<.0001
Z includes a continuity correction of 0.5.					

Kruskal-Wallis Test		
Chi-Square	DF	Pr > ChiSq
50.4190	1	<.0001

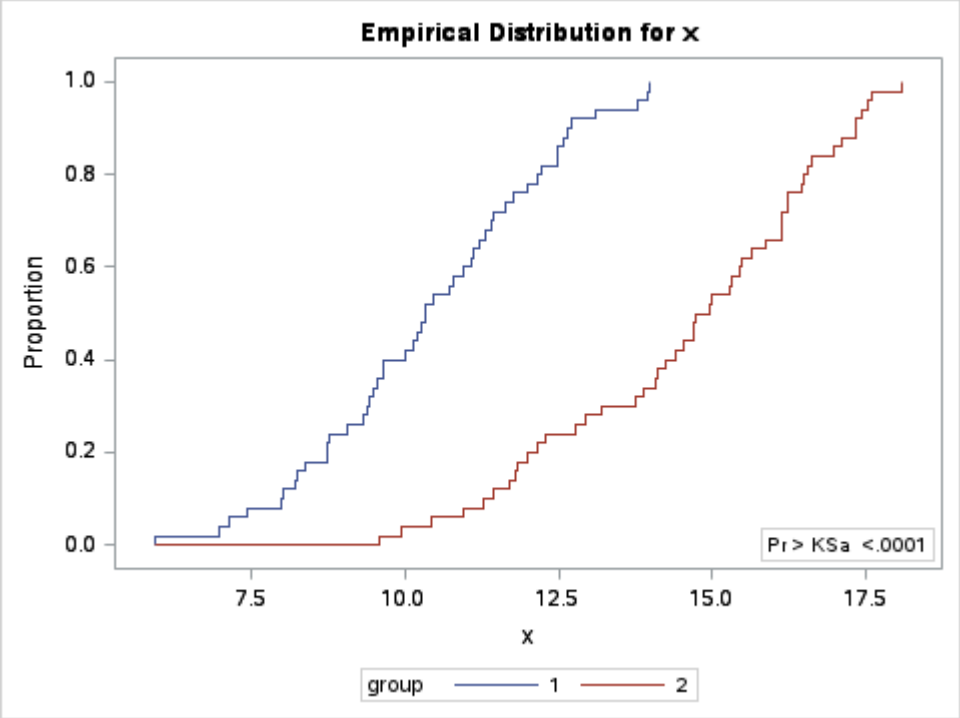


Simulated Normal Data
Nonparametric Test of Hypothesis

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable x Classified by Variable group			
group	N	EDF at Maximum	Deviation from Mean at Maximum
1	50	0.920	2.404163
2	50	0.240	-2.404163
Total	100	0.580	
Maximum Deviation Occurred at Observation 4			
Value of x at Maximum = 12.706414			

Kolmogorov-Smirnov Two-Sample Test (Asymptotic)			
KS	0.340000	D	0.680000
KSa	3.400000	Pr > KSa	<.0001



Cramer-von Mises Test for Variable x Classified by Variable group		
group	N	Summed Deviation from Mean
1	50	2.61950
2	50	2.61950

Cramer-von Mises Statistics (Asymptotic)			
CM	0.052390	CMa	5.239000

Kuiper Test for Variable x Classified by Variable group		
group	N	Deviation from Mean
1	50	0.680
2	50	0.000

Kuiper Two-Sample Test (Asymptotic)					
K	0.680000	Ka	3.400000	Pr > Ka	<.0001

Simulated Normal Data
T Test

The TTEST Procedure

Variable: x

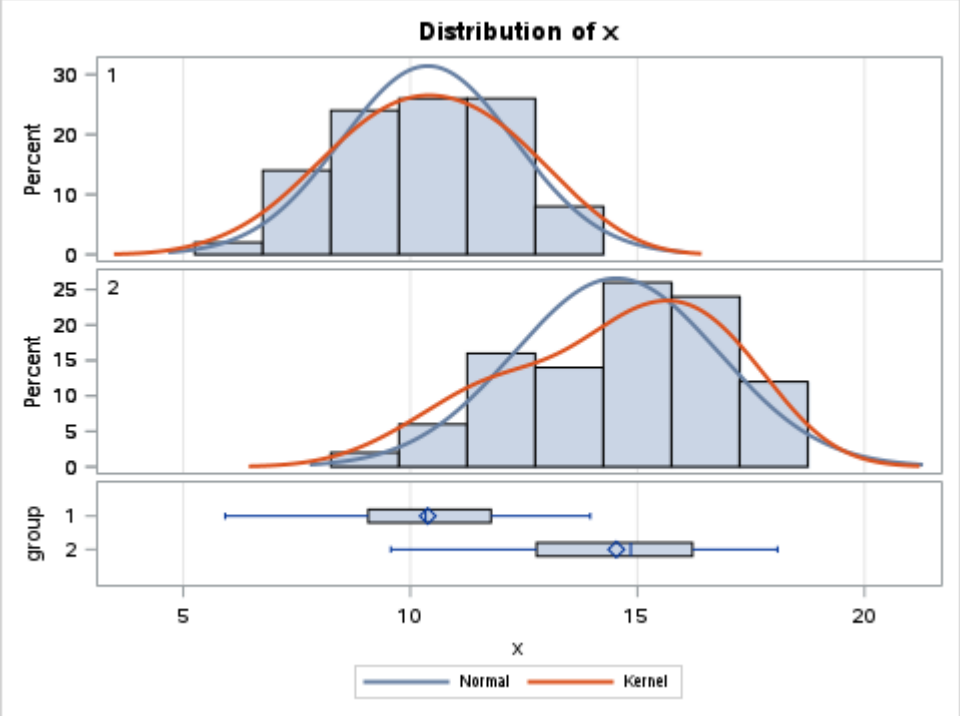
group	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
1		50	10.3841	1.9045	0.2693	5.9226	13.9623
2		50	14.5363	2.2506	0.3183	9.5706	18.0861
Diff (1-2)	Pooled		-4.1522	2.0848	0.4170		

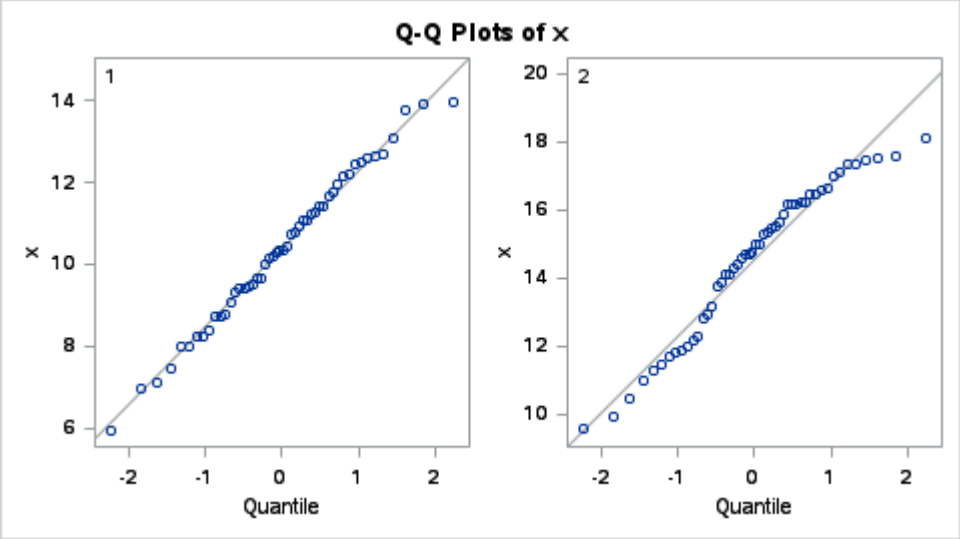
group	Method	N	Mean	Std Dev	Std Err	Minimum	Maximum
Diff (1-2)	Satterthwaite		-4.1522		0.4170		

group	Method	Mean	95% CL Mean		Std Dev	95% CL Std Dev	
1		10.3841	9.8429	10.9254	1.9045	1.5909	2.3733
2		14.5363	13.8967	15.1759	2.2506	1.8800	2.8045
Diff (1-2)	Pooled	-4.1522	-4.9796	-3.3247	2.0848	1.8293	2.4238
Diff (1-2)	Satterthwaite	-4.1522	-4.9799	-3.3244			

Method	Variances	DF	t Value	Pr > |t|
Pooled	Equal	98	-9.96	<.0001
Satterthwaite	Unequal	95.389	-9.96	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	49	49	1.40	0.2460





Simulated Normal Data
Fit for 2 populations

The UNIVARIATE Procedure
Variable: x
group = 1

Moments			
N	50	Sum Weights	50
Mean	10.3841322	Sum Observations	519.206609
Std Deviation	1.90451203	Variance	3.62716608
Skewness	-0.1124457	Kurtosis	-0.4842555
Uncorrected SS	5569.2412	Corrected SS	177.731138
Coeff Variation	18.3405989	Std Error Mean	0.26933867

Basic Statistical Measures			
Location		Variability	
Mean	10.38413	Std Deviation	1.90451
Median	10.33846	Variance	3.62717
Mode	.	Range	8.03966
		Interquartile Range	2.70316

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	38.55418	Pr > |t|	<.0001
Sign	M	25	Pr >= |M|	<.0001
Signed Rank	S	637.5	Pr >= |S|	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.988044	Pr < W	0.8902
Kolmogorov-Smirnov	D	0.050155	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.017453	Pr > W-Sq	>0.2500
Anderson-Darling	A-Sq	0.133878	Pr > A-Sq	>0.2500

Quantiles (Definition 5)	
Level	Quantile
100% Max	13.96229
99%	13.96229
95%	13.79606
90%	12.67266
75% Q3	11.77567
50% Median	10.33846
25% Q1	9.07251
10%	7.98849
5%	7.12506
1%	5.92263
0% Min	5.92263

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
5.92263	41	12.7064	4
6.96247	17	13.1010	12
7.12506	13	13.7961	39
7.44037	9	13.9439	48
7.97850	5	13.9623	42

Simulated Normal Data
Fit for 2 populations

The UNIVARIATE Procedure
Variable: x
group = 2

Moments			
N	50	Sum Weights	50
Mean	14.5362872	Sum Observations	726.814361
Std Deviation	2.25060036	Variance	5.06520199
Skewness	-0.4772372	Kurtosis	-0.7540461
Uncorrected SS	10813.3772	Corrected SS	248.194897
Coeff Variation	15.4826355	Std Error Mean	0.31828296

Basic Statistical Measures			
Location		Variability	
Mean	14.53629	Std Deviation	2.25060
Median	14.85285	Variance	5.06520
Mode	.	Range	8.51556
		Interquartile Range	3.43287

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	45.67096	Pr > |t|	<.0001
Sign	M	25	Pr >= |M|	<.0001
Signed Rank	S	637.5	Pr >= |S|	<.0001

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.951877	**Pr < W**	0.0408
Kolmogorov-Smirnov	**D**	0.102238	**Pr > D**	>0.1500
Cramer-von Mises	**W-Sq**	0.123198	**Pr > W-Sq**	0.0536
Anderson-Darling	**A-Sq**	0.760834	**Pr > A-Sq**	0.0457

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	18.08612
99%	18.08612
95%	17.51898
90%	17.34416
75% Q3	16.21302
50% Median	14.85285
25% Q1	12.78015
10%	11.36041
5%	10.42575
1%	9.57056
0% Min	9.57056

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
9.57056	67	17.3490	71
9.93099	88	17.4432	68
10.42575	99	17.5190	83
10.96145	55	17.5922	59
11.27306	87	18.0861	100