

## ***View Variables***

### ***The CONTENTS Procedure***

<b>Variables in Creation Order</b>				
<b>#</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Label</b>
<b>1</b>	ScoreY	Num	8	Score (Y)
<b>2</b>	GenderX	Char	6	Gender (X)

## *Two-Sample T-test*

### *The TTEST Procedure*

*Variable: ScoreY (Score (Y))*

GenderX	N	Mean	Std Dev	Std Err	Minimum	Maximum
Female	150	10.7333	4.2548	0.3474	1.0000	20.0000
Male	85	13.3294	4.0190	0.4359	5.0000	20.0000
Diff (1-2)		-2.5961	4.1713	0.5663		

GenderX	Method	Mean	95% CL Mean		Std Dev	95% CL Std Dev	
Female		10.7333	10.0469	11.4198	4.2548	3.8216	4.7995
Male		13.3294	12.4625	14.1963	4.0190	3.4924	4.7341
Diff (1-2)	Pooled	-2.5961	-3.7118	-1.4804	4.1713	3.8245	4.5878
Diff (1-2)	Satterthwaite	-2.5961	-3.6959	-1.4963			

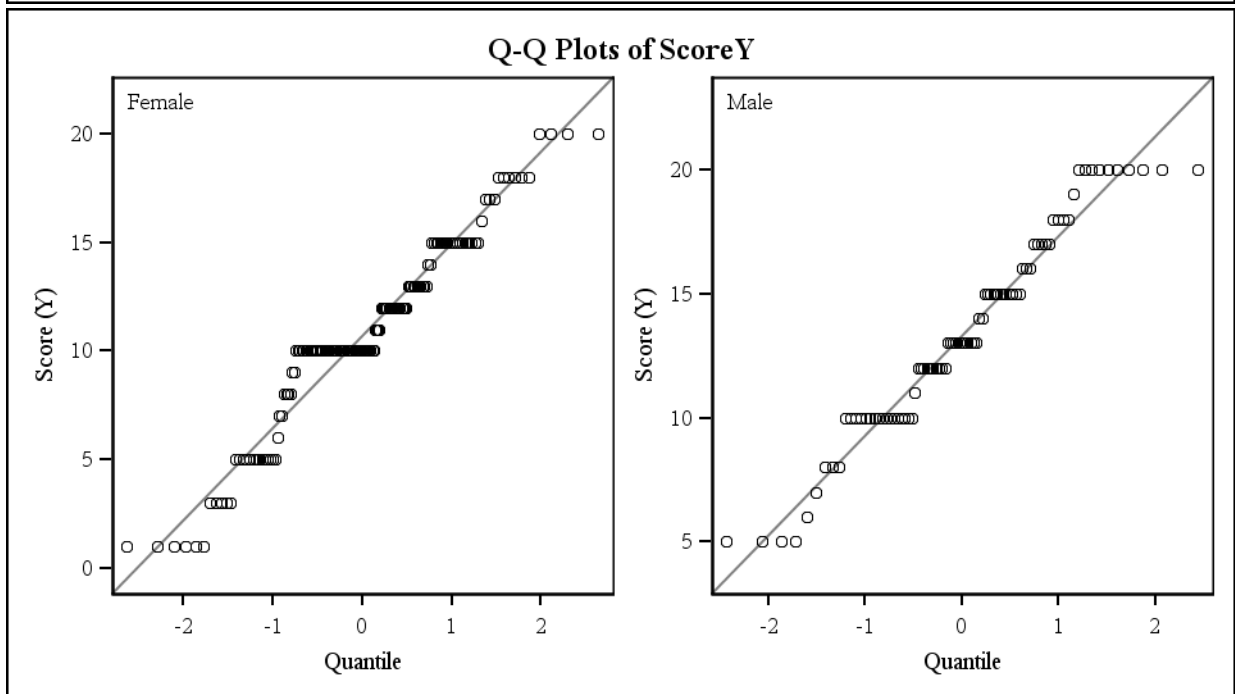
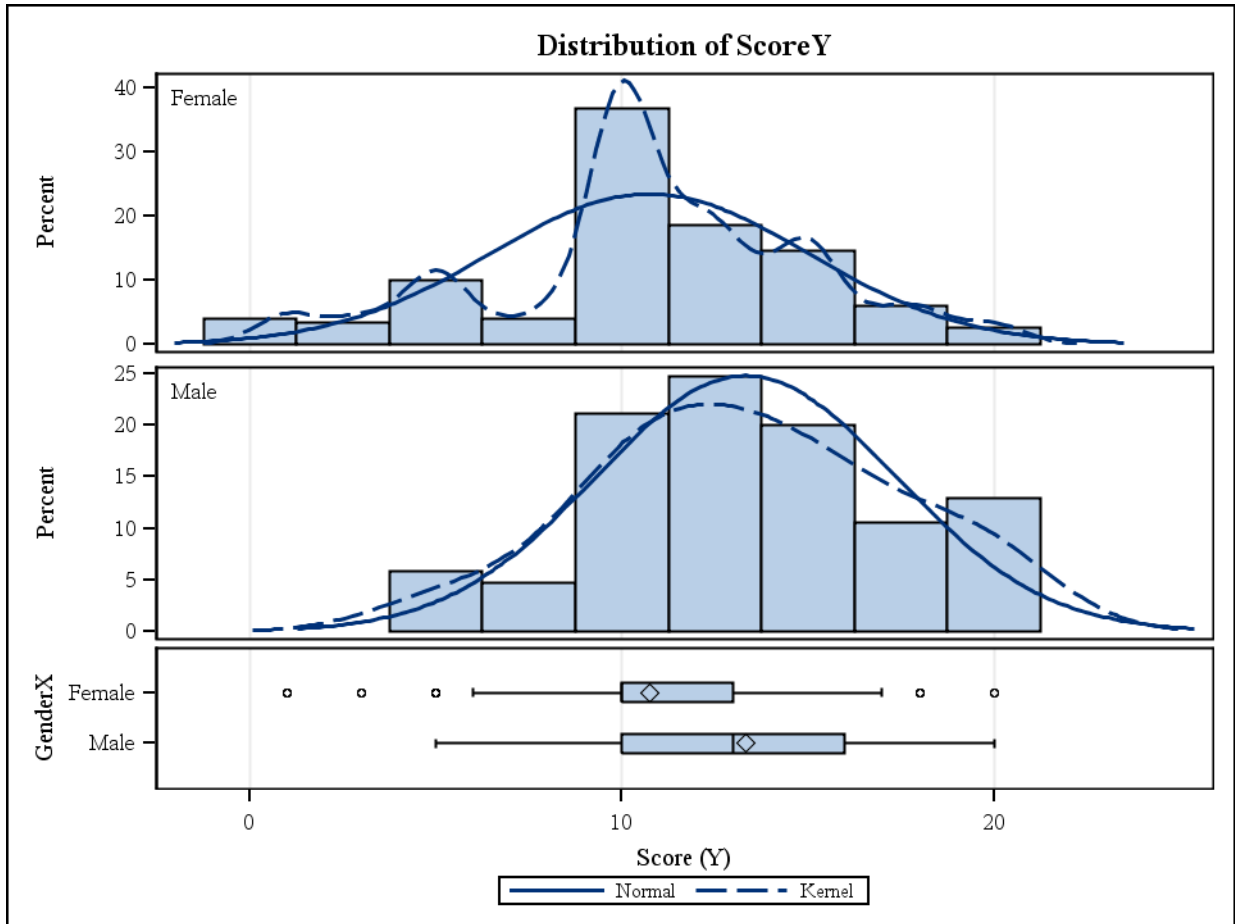
Method	Variances	DF	t Value	Pr >  t
Pooled	Equal	233	-4.58	<.0001
Satterthwaite	Unequal	182.97	-4.66	<.0001

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	149	84	1.12	0.5698

# Two-Sample T-test

## The TTEST Procedure

Variable: ScoreY (Score (Y))



# *Non-parametric Two-Sample test: Mann-Whitney U/Wilcoxon Rank-Sum*

## *The NPAR1WAY Procedure*

Wilcoxon Scores (Rank Sums) for Variable ScoreY Classified by Variable GenderX					
GenderX	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
Female	150	15571.50	17700.0	493.785480	103.810000
Male	85	12158.50	10030.0	493.785480	143.041176
Average scores were used for ties.					

Wilcoxon Two-Sample Test	
Statistic	12158.5000
Normal Approximation	
Z	4.3096
One-Sided Pr > Z	<.0001
Two-Sided Pr >  Z	<.0001
t Approximation	
One-Sided Pr > Z	<.0001
Two-Sided Pr >  Z	<.0001
Z includes a continuity correction of 0.5.	

Kruskal-Wallis Test	
Chi-Square	18.5811
DF	1
Pr > Chi-Square	<.0001