

Two-Sample T-test

The TTEST Procedure

Variable: bmi

gender	N	Mean	Std Dev	Std Err	Minimum	Maximum
0	300	27.2689	4.8284	0.2788	15.9270	42.7659
1	200	25.6311	6.0520	0.4279	13.0455	44.8389
Diff (1-2)		1.6378	5.3510	0.4885		

gender	Method	Mean	95% CL Mean		Std Dev	95% CL Std Dev	
0		27.2689	26.7203	27.8175	4.8284	4.4705	5.2491
1		25.6311	24.7872	26.4750	6.0520	5.5114	6.7113
Diff (1-2)	Pooled	1.6378	0.6781	2.5975	5.3510	5.0384	5.7054
Diff (1-2)	Satterthwaite	1.6378	0.6334	2.6422			

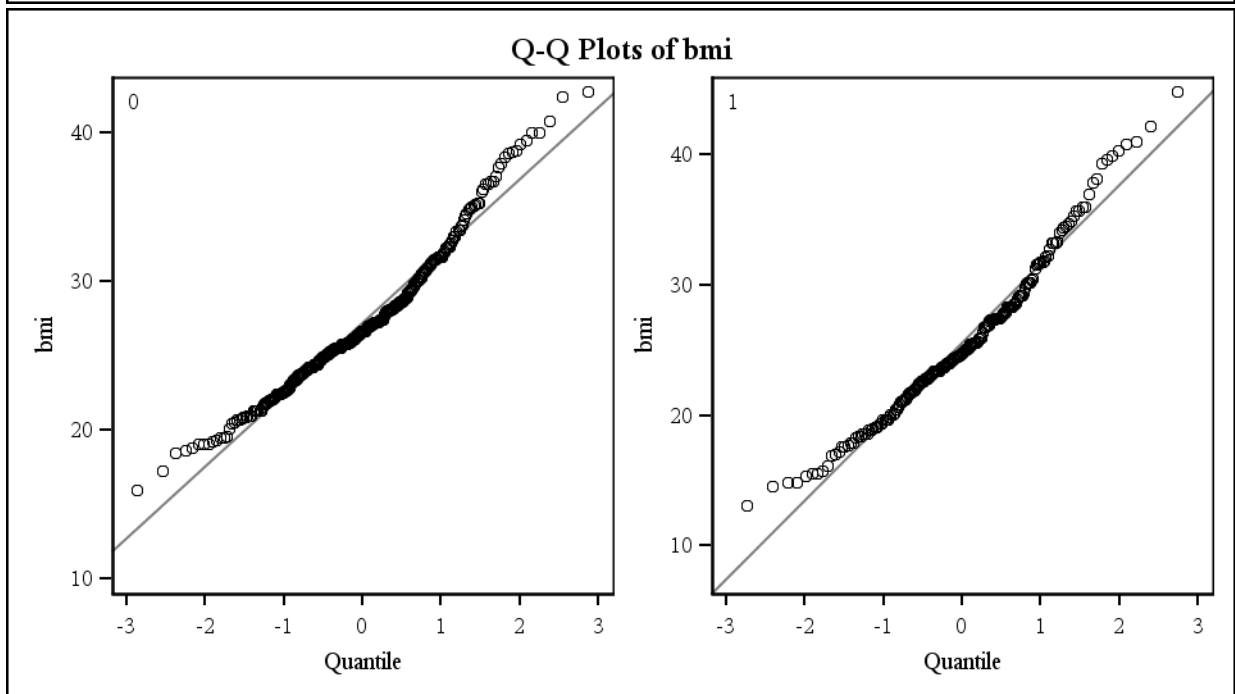
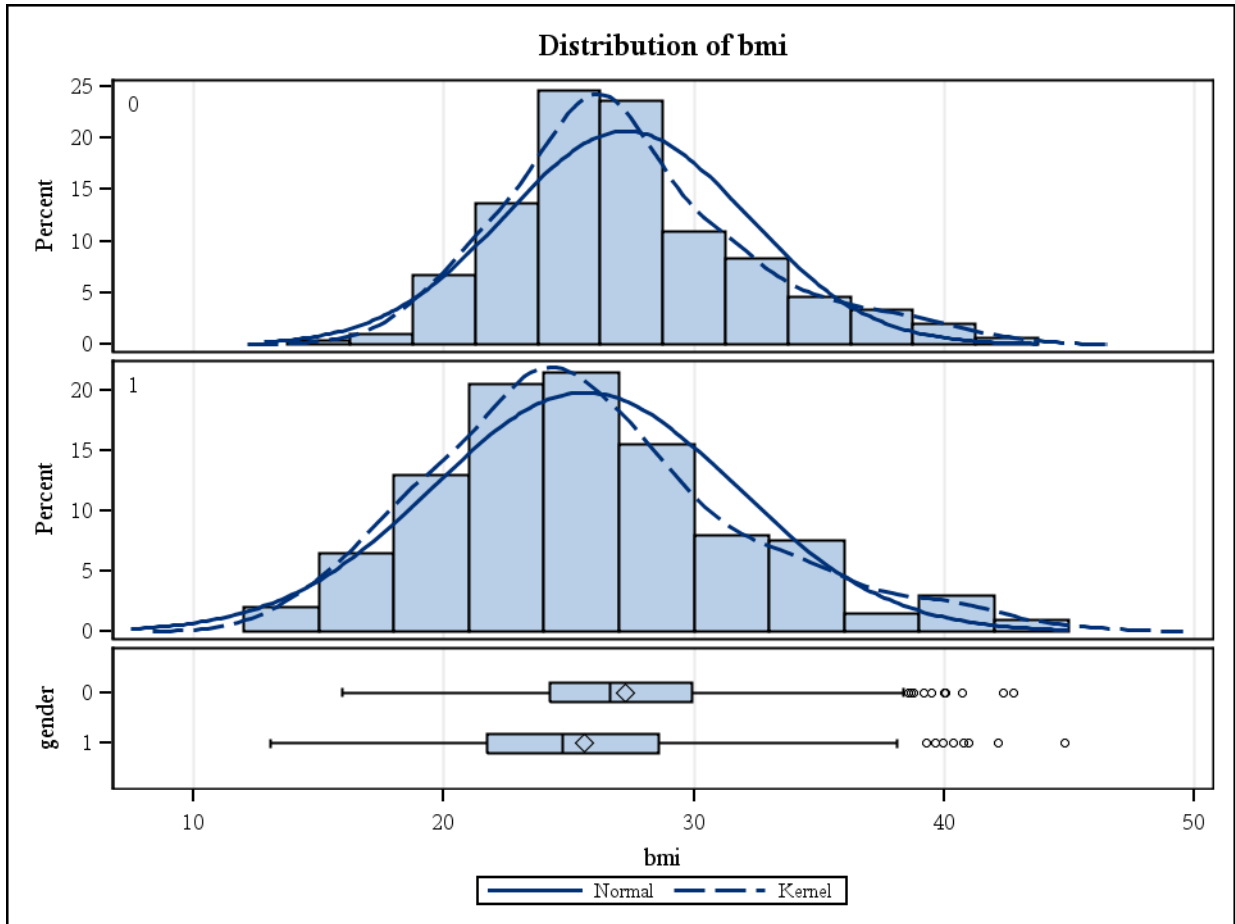
Method	Variances	DF	t Value	Pr > t
Pooled	Equal	498	3.35	0.0009
Satterthwaite	Unequal	360.51	3.21	0.0015

Equality of Variances				
Method	Num DF	Den DF	F Value	Pr > F
Folded F	199	299	1.57	0.0004

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Variable: *bmi*



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

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable bmi Classified by Variable gender					
gender	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
0	300	81163.0	75150.0	1582.71329	270.543333
1	200	44087.0	50100.0	1582.71329	220.435000
Average scores were used for ties.					

Wilcoxon Two-Sample Test	
Statistic	44087.0000
Normal Approximation	
Z	-3.7989
One-Sided Pr < Z	<.0001
Two-Sided Pr > Z	0.0001
t Approximation	
One-Sided Pr < Z	<.0001
Two-Sided Pr > Z	0.0002
Z includes a continuity correction of 0.5.	

Kruskal-Wallis Test	
Chi-Square	14.4337
DF	1
Pr > Chi-Square	0.0001