

Explore

gender

Case Processing Summary

gender		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
bmi	Male	300	100.0%	0	0.0%	300	100.0%
	Female	200	100.0%	0	0.0%	200	100.0%

Descriptives

gender				Statistic	Std. Error
bmi	Male	Mean		27.2689009	.27876601
		95% Confidence Interval for Mean	Lower Bound	26.7203090	
			Upper Bound	27.8174928	
		5% Trimmed Mean		27.0676971	
		Median		26.6173850	
		Variance		23.313	
		Std. Deviation		4.82836892	
		Minimum		15.92695	
		Maximum		42.76594	
		Range		26.83899	
		Interquartile Range		5.75281	
		Skewness		.674	.141
		Kurtosis		.498	.281
		Female	Female	Mean	
95% Confidence Interval for Mean	Lower Bound			24.7872115	
	Upper Bound			26.4749854	
5% Trimmed Mean				25.3875458	
Median				24.7494300	
Variance				36.627	
Std. Deviation				6.05204190	
Minimum				13.04546	
Maximum				44.83886	
Range				31.79340	
Interquartile Range				6.93772	
Skewness				.619	.172
Kurtosis				.301	.342

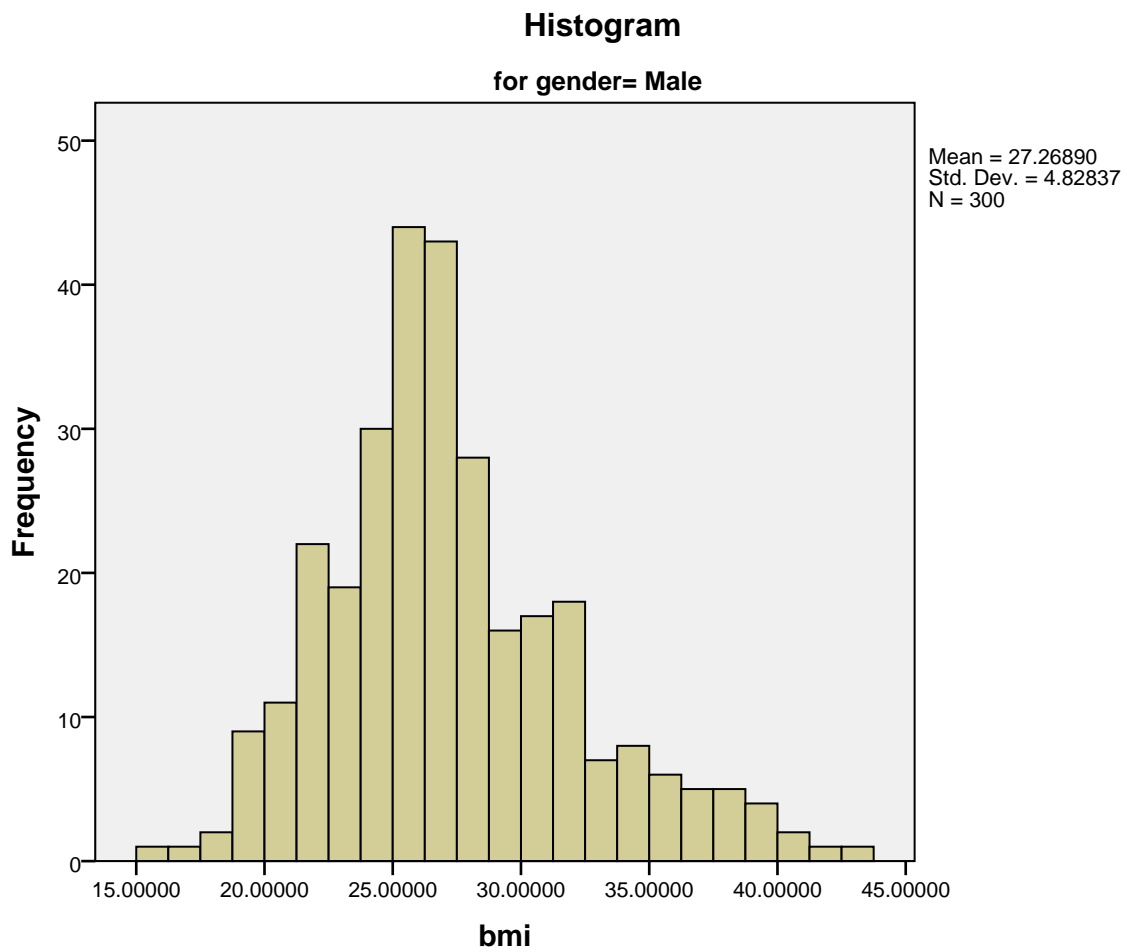
Tests of Normality

gender		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
bmi	Male	.090	300	.000	.969	300	.000
	Female	.078	200	.005	.973	200	.001

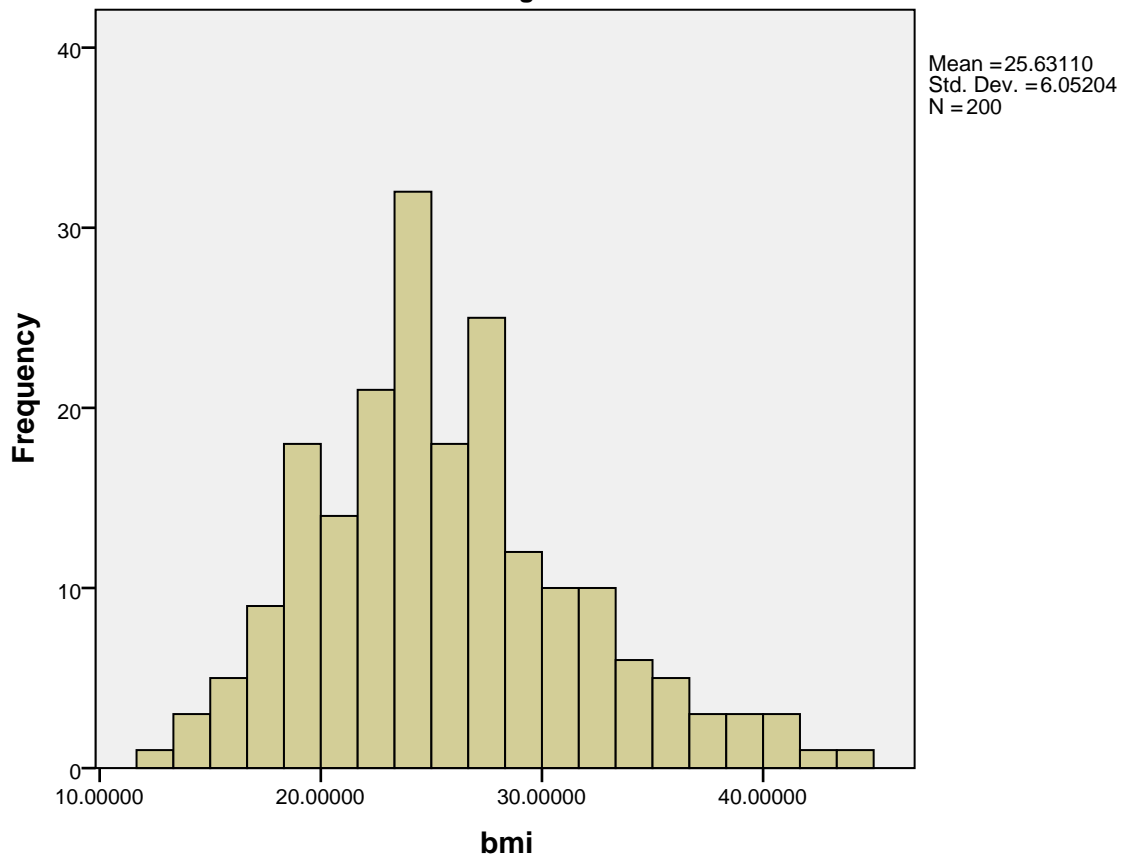
a. Lilliefors Significance Correction

bmi

Histograms



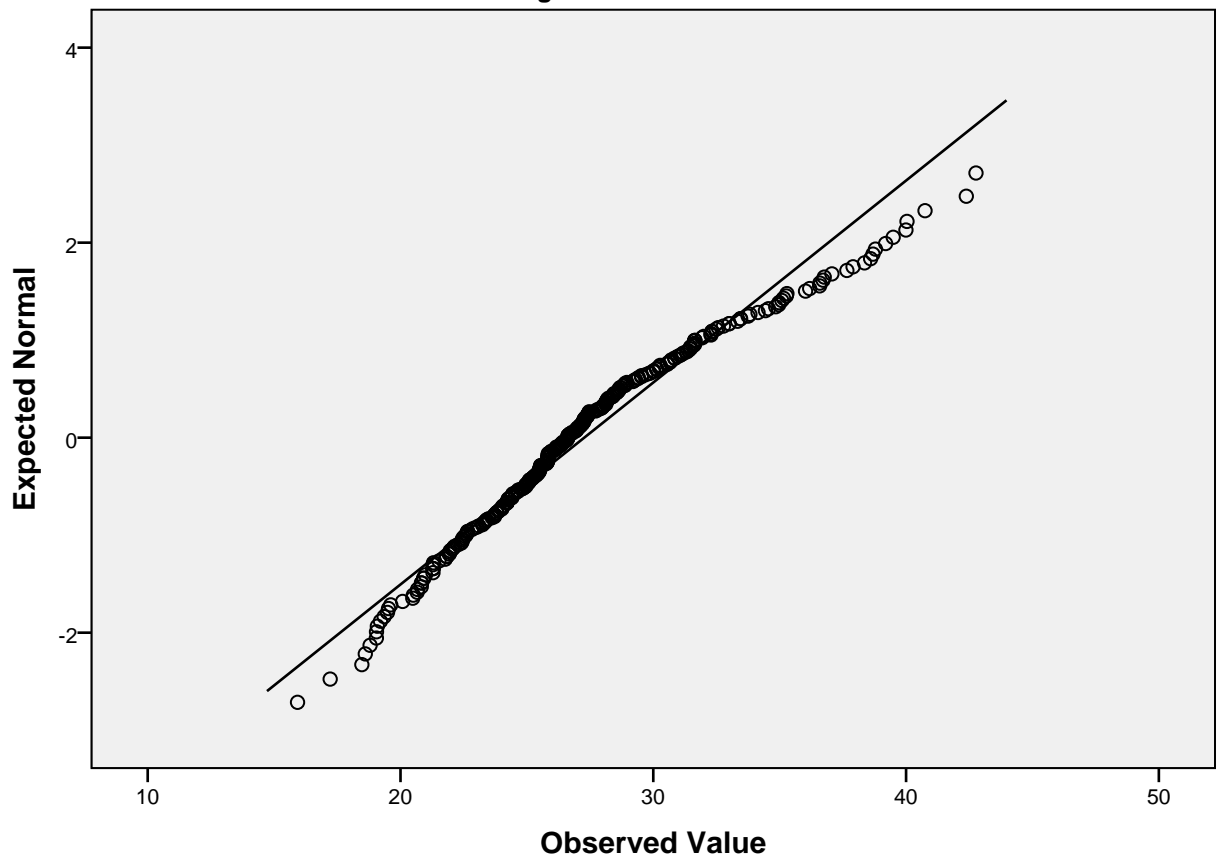
Histogram
for gender= Female



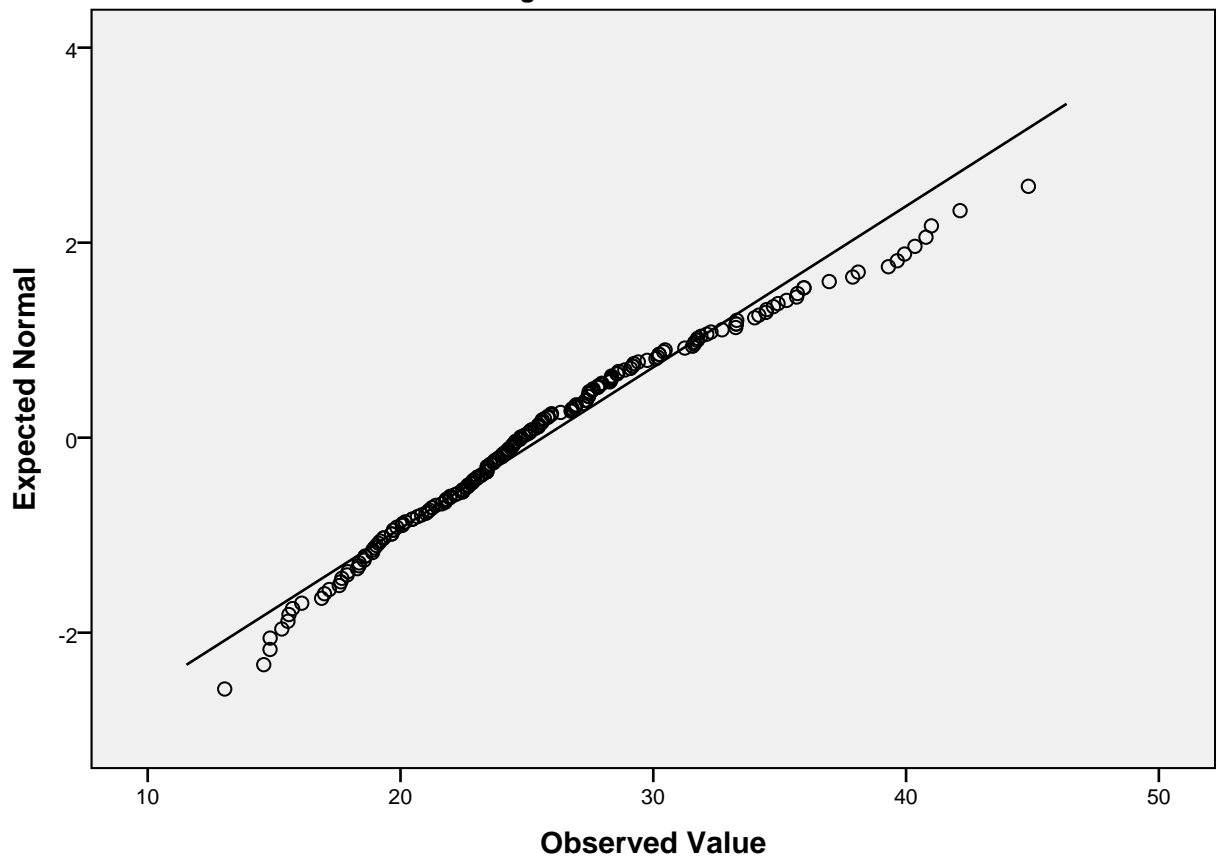
Normal Q-Q Plots

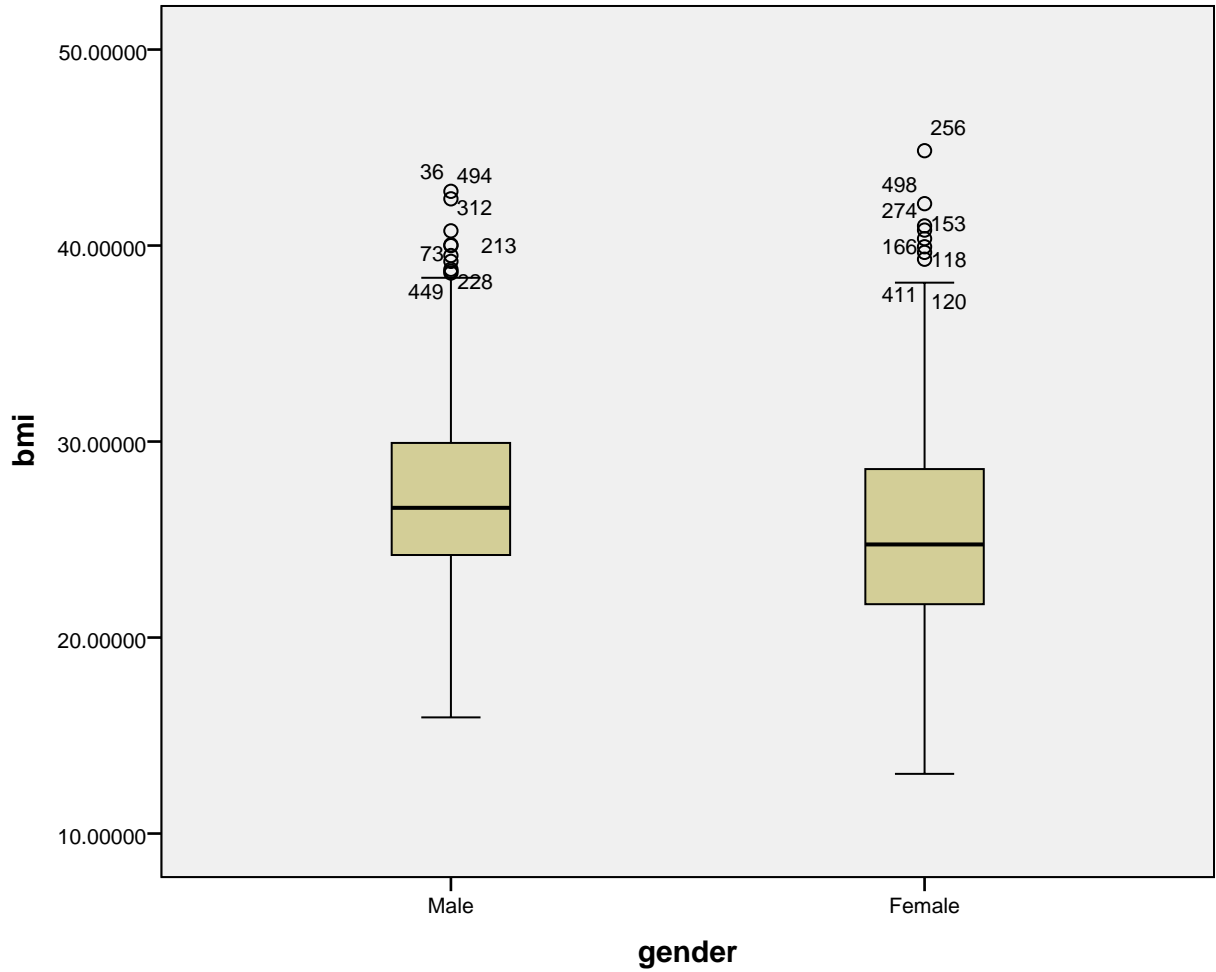
Normal Q-Q Plot of bmi

for gender= Male



Normal Q-Q Plot of bmi
for gender= Female





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T-TEST GROUPS=gender(0 1)
/MISSING=ANALYSIS
/VARIABLES=bmi
/CRITERIA=CI(.95).
```

T-Test

Group Statistics

		N	Mean	Std. Deviation	Std. Error Mean
bmi	Male	300	27.2689009	4.82836892	.27876601
	Female	200	25.6310985	6.05204190	.42794399

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
bmi	Equal variances assumed	10.491	.001	3.353	498
	Equal variances not assumed			3.207	360.513

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ...
					Lower
bmi	Equal variances assumed	.001	1.63780245	.48847915	.67806843
	Equal variances not assumed	.001	1.63780245	.51073138	.63341547

Independent Samples Test

		t-test for Equality of ...
		95% Confidence ...
		Upper
bmi	Equal variances assumed	2.59753647
	Equal variances not assumed	2.64218943