### Explore

#### gender

**Case Processing Summary**

<table>
<thead>
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<th>gender</th>
<th>Cases</th>
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<tr>
<td></td>
<td>N</td>
<td>Percent</td>
<td>N</td>
<td>Percent</td>
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<tr>
<td>bmi</td>
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<tr>
<td>Male</td>
<td>300</td>
<td>100.0%</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>Female</td>
<td>200</td>
<td>100.0%</td>
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**Descriptives**

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<th>Std. Error</th>
<th>Std. Error</th>
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<tr>
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### Tests of Normality

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<th>Kolmogorov-Smirnov&lt;sup&gt;a&lt;/sup&gt;</th>
<th>Shapiro-Wilk</th>
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<tr>
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<sup>a</sup> Lilliefors Significance Correction

#### bmi

**Histograms**

![Histogram for gender= Male](histogram.png)

- Mean = 27.26890
- Std. Dev. = 4.82837
- N = 300
Histogram
for gender= Female

Mean = 25.63110 
Std. Dev. = 6.05204 
N = 200

Normal Q-Q Plots
Normal Q-Q Plot of bmi
for gender= Male
Normal Q-Q Plot of bmi
for gender= Female
T-TEST GROUPS=gender(0 1)
/MISSING=ANALYSIS
/VARIABLES=bmi
/Criteria=CI(.95).

T-Test

<table>
<thead>
<tr>
<th>gender</th>
<th>N</th>
<th>Mean</th>
<th>Std. Deviation</th>
<th>Std. Error Mean</th>
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<tbody>
<tr>
<td>bmi</td>
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</tr>
<tr>
<td>Male</td>
<td>300</td>
<td>27.2689009</td>
<td>4.82836892</td>
<td>.27876601</td>
</tr>
<tr>
<td>Female</td>
<td>200</td>
<td>25.6310985</td>
<td>6.05204190</td>
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### Independent Samples Test

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<tr>
<th></th>
<th>Levene's Test for Equality of Variances</th>
<th>t-test for Equality of Means</th>
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<tr>
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<td>F</td>
<td>Sig.</td>
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<table>
<thead>
<tr>
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<tr>
<td></td>
<td>Sig. (2-tailed)</td>
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### Independent Samples Test

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<tr>
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