Lab Report: Hypothesis Testing – Two Population Proportions

Name(s):

Data

<table>
<thead>
<tr>
<th>Country</th>
<th>Female Population</th>
<th>Total Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hypotheses

- State the claim that you are testing.
  - 
- State the null and alternative hypotheses.
  - $H_0$: 
  - $H_a$: 
- Is this a right-tailed, left-tailed, or two-tailed test?
  - 
- Define the random variable for this test.

Hypothesis Test

Interpretation

Decisions on Null Hypothesis

<table>
<thead>
<tr>
<th>$\alpha$</th>
<th>p-value</th>
<th>decision (reject or do not reject $H_0$)</th>
<th>reason for decision</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01</td>
<td></td>
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</tbody>
</table>

Conclusions

Discussion

1.