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Reflect on the Question ✓   Analyze the Data ✓   Draw Conclusions

Primary Research Questions

1. Are there an equal number of male and female performers on Austin City Limits?
2. Are male performers just as likely to have had a Top 10 hit as female performers?

(13 points possible)

Write Your Conclusion

Answer the question and support your answer with statistics:

First we examined whether there were an equal number of male and female artists on Austin City Limits. In our sample, there were 81 [____] males   and 35 [____] females   . A chi square [____] goodness of fit   test showed that this difference [____] was   statistically significant (chi square= [____] 18.24   df=1, p<.05). There are more [____] males   than [____] females   on the show. Second, we asked whether male and female artists were equally likely to have had a Top 10 hit. Approximately 55% of the [____] female   artists had a Top 10 hit, and 46% of the

[_____] male   artists had a Top 10 hit. This difference [_____]   was not   statistically significant. A chi square test of independence found top 10 hits to be [_____]   independent of   gender (chi square= 0.700, df=1, p= [_____] 0.403   ). The assumptions for each test [_____]   were   met.

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