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▼ **Week 4: Bivariate Distributions (Categorical Data)**

Readings

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Week 4: Bivariate Distributions (Categorical Data) > Pre-Lab > Draw Conclusions



Bookmark

Reflect on the Question

Analyze the Data

Draw Conclusions

Primary Research Question

For artists age 30 or older, do female artists play different kinds of music on Austin City Limits than male artists?

(6/6 points)

Write Your Conclusions

Answer the question and support your answer with statistics:

The music played on Austin City Limits was grouped into four genres, including Country, Jazz, Rock and Singer-Songwriter. We wanted to examine only those artists who were age 30 or older. ✓


Answer: Rock was the most frequently played genre, performed by ✓ **Answer:** 59.8 % of the Austin City Limits artists. Among female artists, however, only ✓ **Answer:** 32.0 % of the artists played Rock music. This difference between the marginal and ✓ **Answer:** conditional probabilities suggests that gender and genre ✓ **Answer:** are not

independent. This difference was also evident in the bar plots, where it was evident that females were more likely to perform in the ✓ **Answer:** Singer-Songwriter category than their male counterparts.


[Click here for a video explanation of how to answer this question.](#)

You have used 1 of 1 submissions


R Tutorial Videos**Pre-Lab**

Pre-Lab due Mar 15,
2016 at 18:00 UTC 

Lab

Lab due Mar 15, 2016
at 18:00 UTC 

Problem Set

Problem Set due Mar
15, 2016 at 18:00 UTC 

- ▶ Week 5: Linear Functions

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