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Readings

Week 4: Hypothesis Testing (Categorical Data) > Lab > Draw Conclusions



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Reflect on the Question

Analyze the Data

Draw Conclusions

Primary Research Questions

1. Are each of the four musical genres equally represented on Austin City Limits?
2. Are some genres more likely to draw a large (100K+) Twitter following than others?

(8/9 points)

Write Your Conclusion

Answer the question and support your answer with statistics:

First we examined whether genres were represented equally at Austin City Limits. In our sample, there were 18 country, 13 jazz/blues, 68 rock/folk/indie, and 17 singer/songwriter acts. A Chi-square

Goodness of Fit test ▼



Answer: Goodness of Fit test showed that

this difference was ▼



Answer: was statistically significant. (Chi-

square= 70.41 ▼



Answer: 70.41 , df= 3 ▼



Answer: 3 ,

p<0.05). There is a higher representation of rock/folk/indie ▼



Answer: rock/folk/indie artists than other artists on the show.

Second, we asked whether some genres were likely to draw more Twitter (over 100K). A Chi-square Test of Independence ▼



Answer: Test of Independence revealed that there was no significant finding--a large Twitter following was associated with ▼




Answer: independent of genre (Chi-square= 5.69 ▼




Answer: 5.69 , df= 3 ▼



Answer: 3 , p-value=0.1276).


Reading Check due
May 03, 2016 at 17:00
UTC 

Lecture Videos


Comprehension Check
due May 03, 2016 at
17:00 UTC 

R Tutorial Videos


Pre-Lab

Pre-Lab due May 03,
2016 at 17:00 UTC 

Lab

Lab due May 03, 2016
at 17:00 UTC 

Problem Set

Problem Set due May
03, 2016 at 17:00 UTC 

You have used 1 of 1 submissions

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