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

Readings

Reading Check due
Mar 15, 2016 at 18:00
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Week 4: Bivariate Distributions (Categorical Data) > Problem Set > Question 1



Bookmark

Question 1

You want to see if an artist's popularity on Facebook (whether or not they have 100,000 or more likes) has anything to do with their age.

1. Generate a table to show the number of artists that are "popular" and those that are not.
2. Generate a table to show the number of "popular" artists within each age group.

Use the "AustinCityLimits.csv" dataset to answer the following questions. Instructions for installing "AustinCityLimits.csv" can be found under the **Examine the Data** unit in this week's **Pre-Lab** section.

(1/1 point)

1a. How many artists in the dataset have **100,000 or more likes** on Facebook?



Answer: 85

You have used 1 of 1 submissions

(1/1 point)

1b. Which **age group** has the highest number of artists that have **100,000 or more likes** on Facebook? (Spell out your answer, i.e. twenties, thirties, forties, etc.)




Answer: Thirties

You have used 1 of 1 submissions

(4/4 points)


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

1c. For each age group, fill in the proportion of artists who have 100,000 or more likes on Facebook. (Use the appropriate function in R to calculate these, and round to 3 decimal places (i.e. **0.123**.)

Twenties = ____

✓ Answer: .786

Thirties = ____

✓ Answer: .775

Forties = ____

✓ Answer: .800

Fifties or older = ____

✓ Answer: .594

You have used 1 of 1 submissions

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