edX

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Question 1

You want to see if an artist's popularity on Facebook (whether or not they have 100K+ 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 **100K+ likes** on Facebook?

85

85

Answer: 85

| Hide Answer | *You have used 1 of 1 submissions* |

(1/1 point)

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

Thirties   **Answer:** Thirties

| Hide Answer | *You have used 1 of 1 submissions* |

(4 points possible)

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

Twenties = ____

0.095

0.095

Answer: .786

Thirties = ____

0.267

0.267

Answer: .775

Forties = ____

0.207

0.207

Answer: .800

Fifties or older = ____

0.164

0.164

Answer: .594

Hide Answer   *You have used 1 of 1 submissions*

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