Congratulations! You passed!
TO PASS 80% or higher

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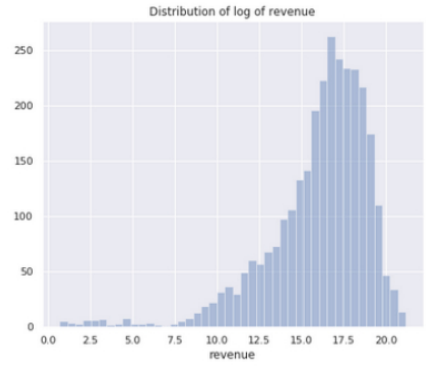
GRADE
100%

Analyze Box Office Data with Seaborn and Python

LATEST SUBMISSION GRADE
100%

1. In a regression problem, the target distribution is skewed as shown below: **1 / 1 point**

Why would one like to transform the target to obtain the following distribution?



- (●) The logarithmic transformation is used to linearize the targets, allowing for better predictions with the same model.
- ( ) To increase skewness.

Correct
Correct!

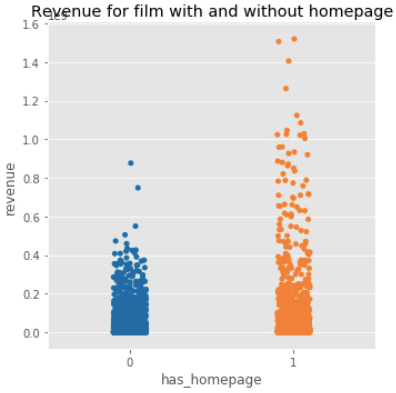
2. You are exploring a data frame **train** and want to visualize the **budget** column using a histogram. How can you use Seaborn to create the plot? **1 / 1 point**

- ( )
```
1 sns.distplot(train['budget'], kde=True)
```
- (●)
```
1 sns.distplot(train['budget'], kde=False)
```
- ( )
```
1 sns.scatterplot(train['budget'])
```

Correct

Correct!

3. The following plot was generated using Seaborn's **sns.catplot()** function: 1 / 1 point



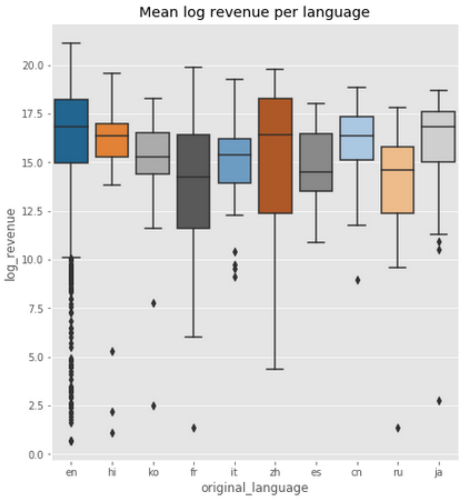
What is a more accurate way of describing the plot?

- Categorical histogram
- Categorical scatter plot

Correct

Correct! This function is used to draw categorical plots onto a FacetGrid.

4. What do you call the following type of plot? 1 / 1 point



- A histogram
- A box plot
- A violin plot

Correct

Correct! It shows the distribution of quantitative data in a way that facilitates comparisons between variables or across levels of a categorical variable.

5. Word cloud is a data visualization technique used for representing text data in which the size of each word indicates its frequency or importance. 1 / 1 point

- True
- False

Correct

Correct!