

CSS-D Project - Option 1: IMDB Data

Started: Jul 2 at 3:33pm

Quiz Instructions

Answer the following quiz questions.



As a researcher, you are tasked to do use ETL and EDA skills on a movie dataset to extract certain insights.

Using Pandas, use the "movie_dataset.csv" found in the "Week 1" section of Canvas.

Note, some column names have spaces which is not ideal. Some columns have missing values and it would be best to either fill or drop where appropriate those missing values to prevent a bias. Load and clean the data, make reasonable assumptions.

Once this has been done, answer the Quiz questions below.



Question 1 1 pts

What is the highest rated movie in the dataset?



Jason Bourne



Rogue One



The Dark Knight



Trolls



Question 2 1 pts

What is the average revenue of all movies in the dataset?

Note, since the answer will be effected by how you dealt with missing values a range has been

provided.

☐

Between 120 and 140 Million

☐

More than 200 Million

☐

Between 70 and 100 Million

☐

Between 100 and 120 Million



Question 3 1 pts

What is the average revenue of movies from 2015 to 2017 in the dataset?

Note, since the answer will be effected by how you dealt with missing values a range has been provided.

☐

More than 120 Million

☐

Between 100 and 120 Million

☐

Less than 40 Million

☐

Between 50 and 80 Million



Question 4 1 pts

How many movies were released in the year 2016?

☐

301

☐

113

☐

297

☐

287



Question 5 1 pts

How many movies were directed by Christopher Nolan?

☐

5

☐

6

☐

4

☐

7



Question 6 1 pts

How many movies in the dataset have a rating of at least 8.0?

☐

45

☐

98

☐

78

☐

81



Question 7 1 pts

What is the median rating of movies directed by Christopher Nolan?

☐

7.4

☐

6.9

☐

8.6

☐

9.1



Question 8 1 pts

Find the year with the highest average rating?

☐

2006



2016



2007



2008



Question 9 1 pts

What is the percentage increase in number of movies made between 2006 and 2016?



421



575



57



210



Question 10 3 pts

Find the most common actor in all the movies?

Note, the "Actors" column has multiple actors names. You must find a way to search for the most common actor in all the movies.



Mark Wahlberg



Chris Pratt



Bradley Cooper



Matthew McConaughey



Question 11 3 pts

How many unique genres are there in the dataset?

Note, the "Genre" column has multiple genres per movie. You must find a way to identify them individually.

- ☐ 30
- ☐ 15
- ☐ 20
- ☐ 207

Not saved

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