Business Problem for Data Analysis with Pandas

Microsoft sees all the big companies creating original video content and they want to get in on the fun. They have decided to create a new movie studio, but they don't know anything about creating movies. You are charged with exploring what types of films are currently doing the best at the box office. You must then translate those findings into actionable insights that the head of Microsoft's new movie studio can use to help decide what type of films to create.

What are some aspects of a movie you could investigate? (e.g.: Genres, Release time, Director/Actors, Budget)

Planning in doing Exploratory Analysis in the following ideas:

- Exploring most profitable or highest grossing movies at the box office
- Finding the average length of movies in the data set
- Finding which lead Actor appears most in the data set
- Analyzing movie length and correlating with genre
- Distribution of highest earning numbers over the span of 10 years
- Relation of movie rating with highest grossing movies
- Decades comparisons of genre and studio film producers success

Support Materials

Zipped folder

Requirements:

Based on datasets provided

1.Provide three insights: visualizations and recommendations in Jupyter using Pandas.
2.Code comments in Markdown, describing the project goals, data, methods, and results
3. The three visualizations which correspond to three business recommendations
4.Conclusion in Markdown