Project 1

You will analyze a dataset containing song track performance metrics. Answer the following questions with your analysis:

1. What are the data types of each column? If needed, convert columns into proper data types. Print out the final data types of all columns.
2. How many unique singers are included in the dataset?
3. Present the mean, median, min, max of all numeric variables.
4. How many tracks are included in the dataset from each year?
5. Select a research question, use descriptive statistics, 3-5 plots, and regression analyses to answer your research question.
6. Clearly state your research question
7. Print out important descriptive statistics that can help answer your research question
8. Customize the plots to include proper ranges, axis labels, and titles.
9. Provide a brief interpretation for each plot (1-2 sentence each)
10. Briefly explain the results of the regression analyses.

Which variables are significant? How much do each of these variables impact the dependent variables?

1. Summarize conclusions for the research question based on your analyses.

Submission:

Submit a word or pdf document.

The submission should include the code and output for each question.