MOVIE RECOMMENDATION SYSTEM

We have built a movie recommendation system which gives movie recommendation based on multiple fields in the database. We have used tools like Python, MySQL and Tableau for handling the data. The Data is stored in a MySQL server in multiple tables. From the data server, the data is pulled using Python where the actual fun begins. Using different python libraries all the data manipulation operations that are required for the predication algorithm are carried out like elimination unwanted columns and handling missing values.

The visualization is done using Matplotlib and Tableau. Finally, the prediction algorithm is built using cosine similarity and the method is created where movie name is passed as an argument and in return, we get the top 10 movie names which might interest the viewer. The code file is a python .ipynb file with MySQL connection code and Tableau charts embedded in the same Jupyter notebook which makes our work hassle free. The order of activities in our code is as follows

1. Import data from MySQL server
2. Data Wrangling using Python
3. Data Visualization using matplotlib and seaborn
4. Advanced Visualization using Tableau
5. Building the Prediction algorithm
6. Testing the algorithm with possible arguments

Team Members:

1. Abhishek Singh Pawar
2. Abhishek Jain
3. Dhruv Agarwal
4. Kishore