**Play Store App Review Analysis**

The objective of this project is to deliver insights to understand customer demands better and thus help developers to popularize the product. It is of 10k Play Store apps for analyzing the Android market. This dataset contains details of different applications and reviews from different users.

Our experiment can help understand what could be the reason for the classification of such labels by feature selection, data analysis and prediction taking into account previous trends to determine the correct classification.

The Google Play Store and formerly Android Market, is a digital distribution service operated and developed by google. It serves as the official app store for certified devices running on the android operating system and its derivatives as well as Chrome OS, allowing users to browse and download application.

• The play store data has enormous potential to drive app-making businesses to success. Actionable insights can be drawn for developers to work on and capture the Android market.

• Taking into account billion of android users worldwide, mining this data has the potential to reveal user behaviors and trends in the whole global scope. This dataset is obtained from scraping Google Play Store.

**Contributor role**

Play store app Review Analysis project was done by group of 5 members –

Rahul Gaykwad

Rutuja Hingankar

Narayan Borde

Prashik Ingle

Rohit Meshram.

In this project we got 2 different csv files as an input. The Csv files are play store data.csv and reviews.csv.

So, We decided to divide these 2 csv files among 5 and start exploring dataset. I worked on play store data.csv

**Rohit Meshram** : I downloaded the project first work individually gaining insights doing some eda etcs After doing some random EDAs. I gained some confidence. I took play store data.csv The very first problem that I faced on lots of missing values in category , rating, price, size and install. Missing value show in boxplot and hist. calculating all unique values. drop the unreverent data. replace str to float in category,Reviews,Size,Price and Installs

**Rahul Gayakwad** : When I start to exploring play store data.csv file, then I found null values in columns such as: rating, size ,current android version ,update version . we fill that null values with nan and using the threshold we set limit for data then drop threshold null values are present in rating, type, android version current version and type. for easy analysis we convert str data into float

**Rutuja Hingankar**: Initially I started with looking at each database available to us for play store project. I went through various columns available within each of the databases tried to make sense of what all data is available to us. I took ‘review.csv’ and understood that it contained details of each app, translated review, sentiment, sentiment popularity and sentiment subjectively. rename all columns .some duplicate values present in data find that value and drop from data set.

**Prashik Ingle**: I work on Exploratory Data Analysis, firstly we compare category with number of app. From this plotting we know that most of the apps in the play store are from the categories of 'Family', 'Game' and also 'Tools. From this distribution plotting, it implies that most of the apps in the Play Store are having rating higher than 4 or 4.7

**Narayn Borde**: I work on Exploratory Data Analysis, firstly we compare category with rating , price review and install sentiment subjectivity is not always proportional to sentiment polarity but in maximum number of case, shows a proportional behaviour, when variance is too high or low. There are more numbers of positive reviews of the apps in which Facebook, Instagram, WhatsApp messenger are the most review apps.

**GitHub Link:**[**https://github.com/rohitvmeshram/play-store-data-Analysis**](https://github.com/rohitvmeshram/play-store-data-Analysis)

**DriveLink:** [**https://drive.google.com/drive/folders/1ZUY5ERVceLIeorw0K9KUmMPYzmZcf8re?usp=sharing**](https://drive.google.com/drive/folders/1ZUY5ERVceLIeorw0K9KUmMPYzmZcf8re?usp=sharing)