**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member’s Name, Email and Contribution:** |
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| **1. Omaji Pawar**  **Email :** omajipawar@gmail.com  **Contribution :**   1. **Play Store App Data**   1. Data Wrangling  1. Play store app dataset  2. Questions Preparation  3. App Ratings  4. Factors Affecting on Installs  5. Most Installed Apps  6. Most Costly Apps  7. Correlation Heatmap   1. **User Reviews Data**   1. Data Wrangling  1. User reviews dataset  2. Sentiment Analysis  3. Percentage of Review Sentiments  4. Distribution of Sentiment Polarity and Sentiment Subjectivity  5. Rating vs Sentiment Polarity  6. Proportionality behaviour between Sentiment Polarity and Sentiment Subjectivity through Scatter Plot |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/omajipawar/Play-Store-App-Review-Analysis.git |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| In the android world there are n number applications available on the android market. The android market is also known as Google Play Store. Play Store contains multiple applications, these multiple applications are used for various purposes and for some it is also used for daily purposes, social media apps like whatsapp, Facebook etc. The aim of our EDA project is to gather and analyse detailed information on apps in the Google Play Store in order to provide details on app features and the current state of the Android app market. We were provided with two different datasets i.e. Play store app data and user\_reviews\_data.  As the first step, we divided the complete project in two main parts i.e. Analysis on Play store app data and Sentiment analysis on user\_reviews\_data.  In play store app review analysis we focused mainly on app ratings, installs, type of app. Through this we deep dived into the data, and found out which factors affect most on app ratings and installs. Also we had plotted the correlation heatmap to know how the variables related to each other.    In user\_reviews\_data analysis we had done the sentiment analysis and analyzed user sentiments towards apps through their reviews and ratings and we plotted how much positive, negative and neutral sentiments are there.    In the entire project we estimated the factors affecting app ratings and installs, most installed apps, most costly apps, sentiment analysis, distribution of sentiment subjectivity and sentiment polarity, correlation of sentiment polarity and sentiment subjectivity, etc.    Therefore through this analysis we identified the factors that affect the failure of an app. This analysis would be very useful for app developers to build an application focussed on certain discussed categories in this analysis. |
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