Capstone Project Submission

Instructions:

i) Please fill in all the required information.

ii) Avoid grammatical errors.

Team Member's Name, Email and Contribution:
Contributor role : Simran Dapke : (simrandapkea99@gmail.com) 1) Data Wrangling - i) Analyze Data set ii) Match data set according to requirement 2) Data cleaning- i) Delete unnecessary data. ii) Fill missing value in data set 3) Basic Observation based on Given data set 4) Data Visualization- i) Plot histogram boxplot for relative data 5) Sentiment Analysis- i) Definition and use of sentiment analysis. ii) Sentiment analysis for Paid as well as for Free App. iii) Creating Wordcloud based on review. 5) Conclusion
Please paste the GitHub Repo link.
Github Link: G-Drive link - https://drive.google.com/drive/folders/1hf8AX-LrtlYwcGFud2NkMlYHVhAQ8v0f?usp=drive_link
Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)
Google play store is brand of Google, is a developed by Google. It serves as official Store for android device allowing user to browse and download application. The application available on store is free of cost or at the cost. In this project we were provide two data set i.e. play store data and User review data. **As first step we analyze data properly by doing data wrangling over raw data. Project divided into two parts i.e. main data and sentiment analysis.** **There are some null value and missing value in data set first need to clean properly.** **In main data set I analyze mainly Rating, number of installs, Type of app**

although I conclude a category wise conclusion most category of app download most with high reviews. Then I do basic observation e.g. max downloaded app, high price paid app, top five category user download.

Next Apps compare with installs,type,price,size so that we get insights from that so we can conclude which app is best on above category.
On size I compare whether app is bulky or light this will help me to find market scenario what type of app user need although we plot heat map that show user tendency towards app and its review.

Finally we analyze sentiment of user based on their sentiment polarity that help in finding positive negative and neutral review.

I identify most customer sees reviews and then download that particular app along with many free apps have negative review as well. Average rated app size mostly sees nearly 2MB to 40MB.
By doing this type of analysis app company get idea where they can improve and for new launching app companies this will most useful report because they understand where app need extra effort with all considerable parameter.