**Mobile App Usage Analysis**

We have 2 excel sheets and one txt file with data regarding mobile application usage. First, we need to convert our txt file into correct dataset format. Check for the duplicate’s rows in all three data sets. After that we can investigate any duplicate rows still present in each column of all datasets. Dropped those rows which duplicates. Now join all datasets using merge method from pandas.

After joining all datasets into 1, we can do a various transformation and creation of look up file as per our project requirements. By using those look up file and transformation we can clear our null data in all columns by using some mathematical function like median, mode and standard deviation

Now our dataset looks clean in proper structure, without null values and duplicates. Now we can extract the statistical data with respect to app name, combination of app name and gender id and export those statistical data into a system.

After getting the statistical data now need to create new data frame for ranking the application and publisher with respect to the average use of those applications.

We can explore the relationship between different columns using visualizations like barplot, lineplot, piechart etc.,