

**Data Science**

**Lab - 5**

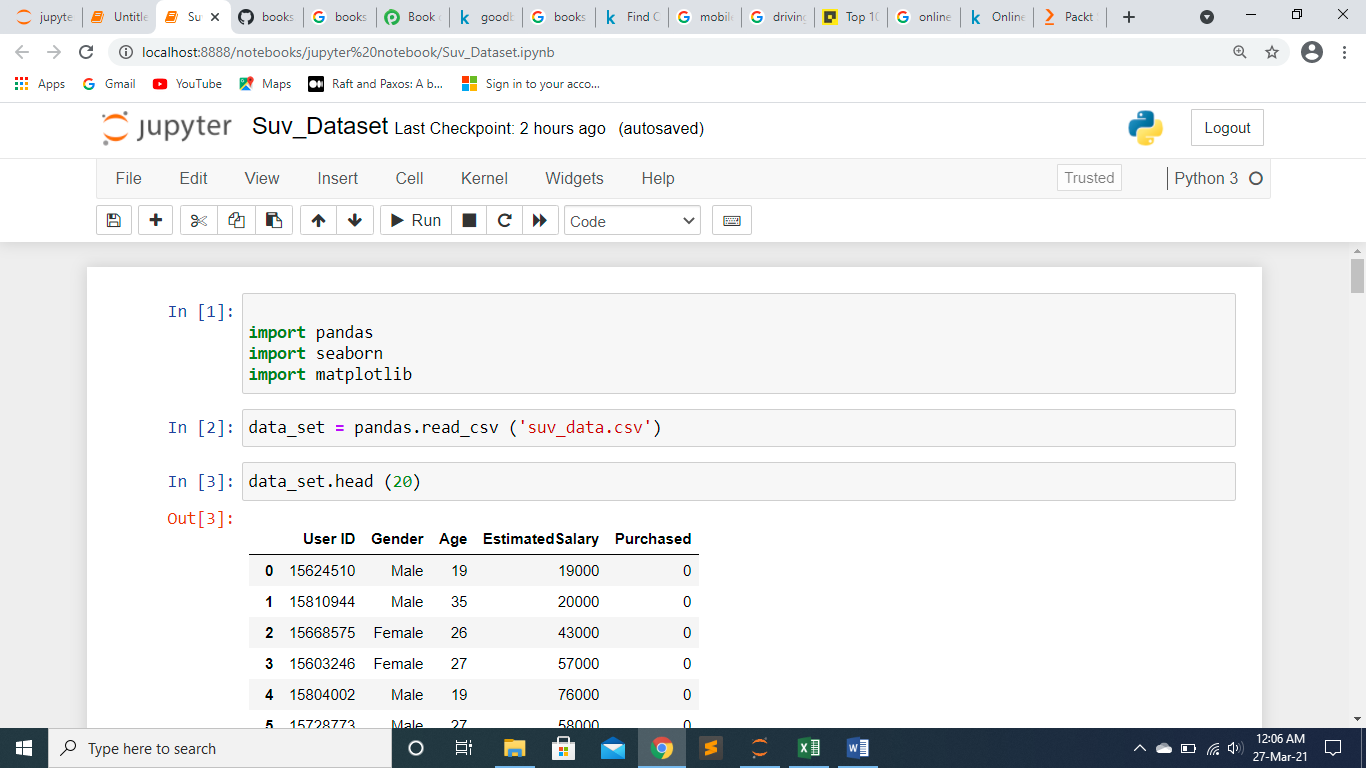
Bivariate Analysis

**Name: Manikandan P**

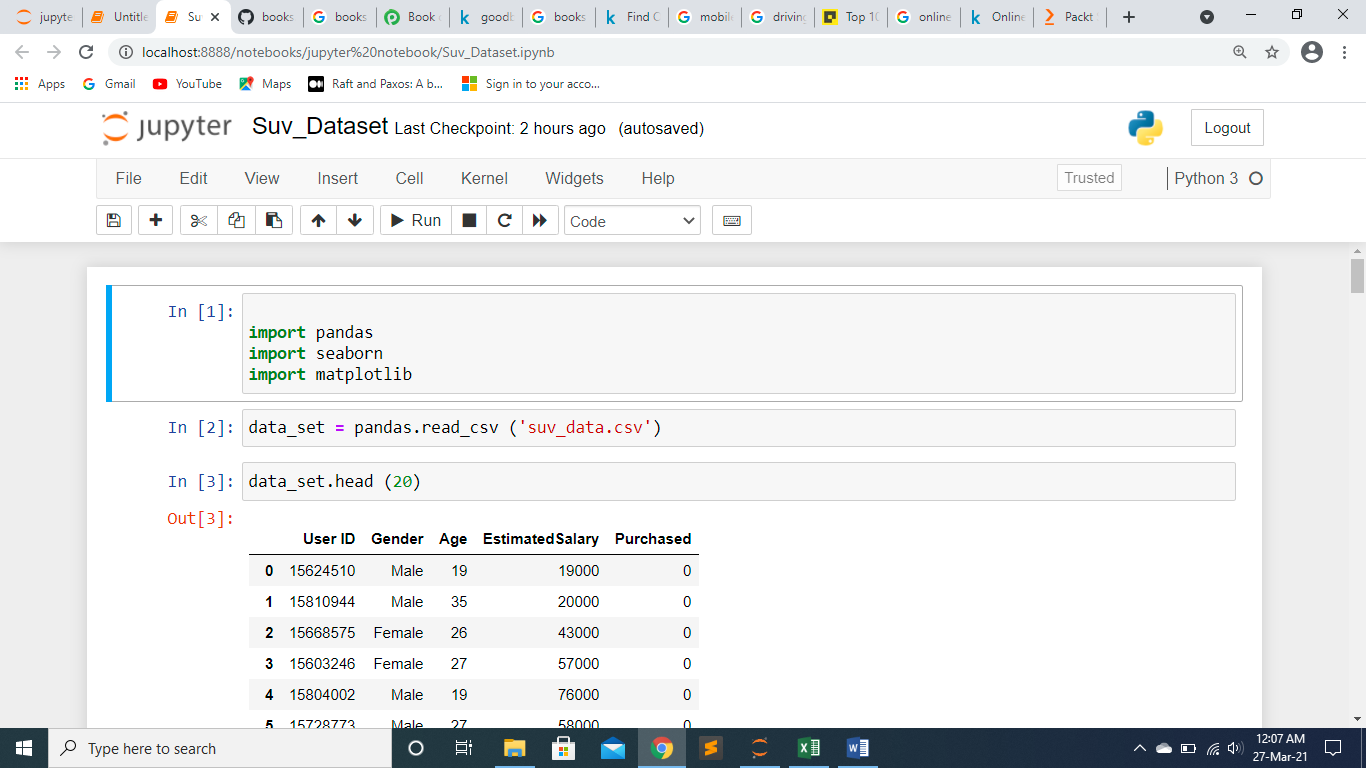
**RegNo: 2019202030**

**WORKING WITH SUV - DATA SET**

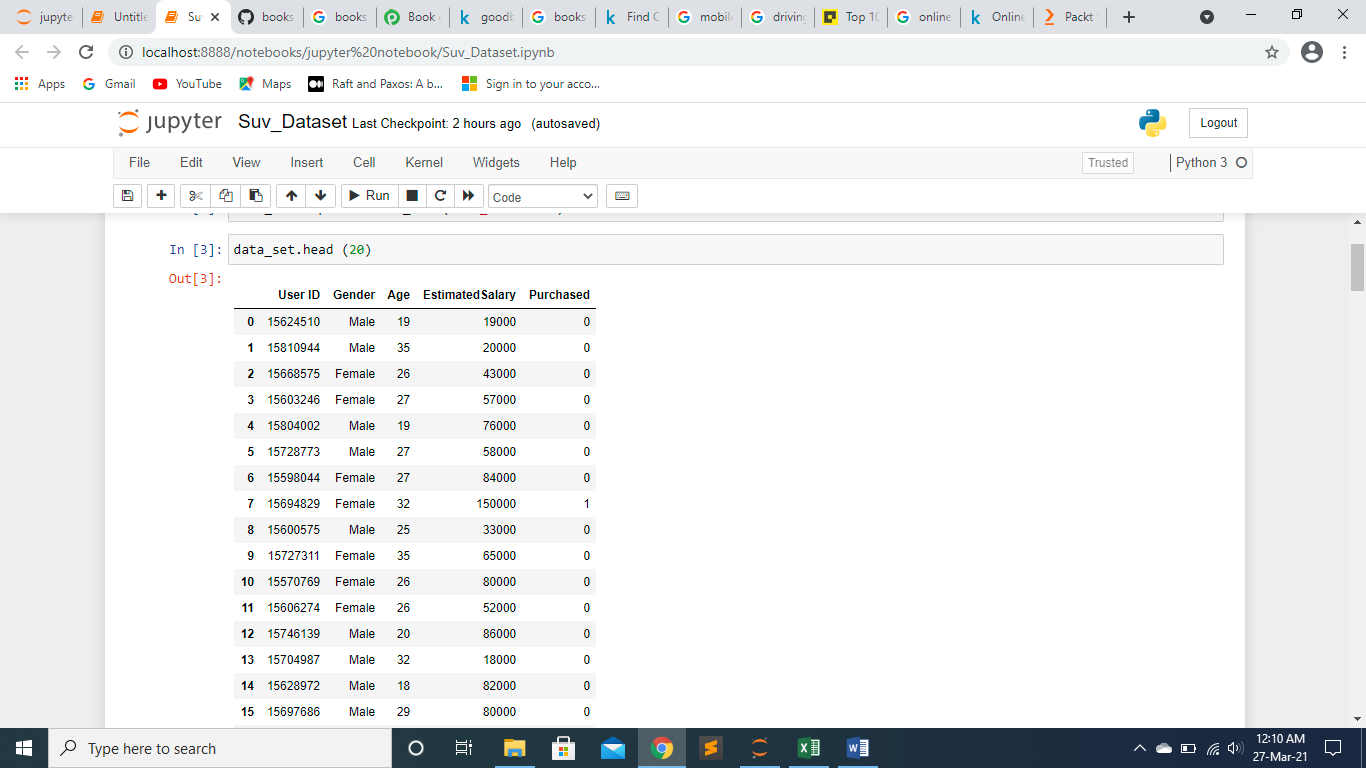
**Importing Libraries**

****

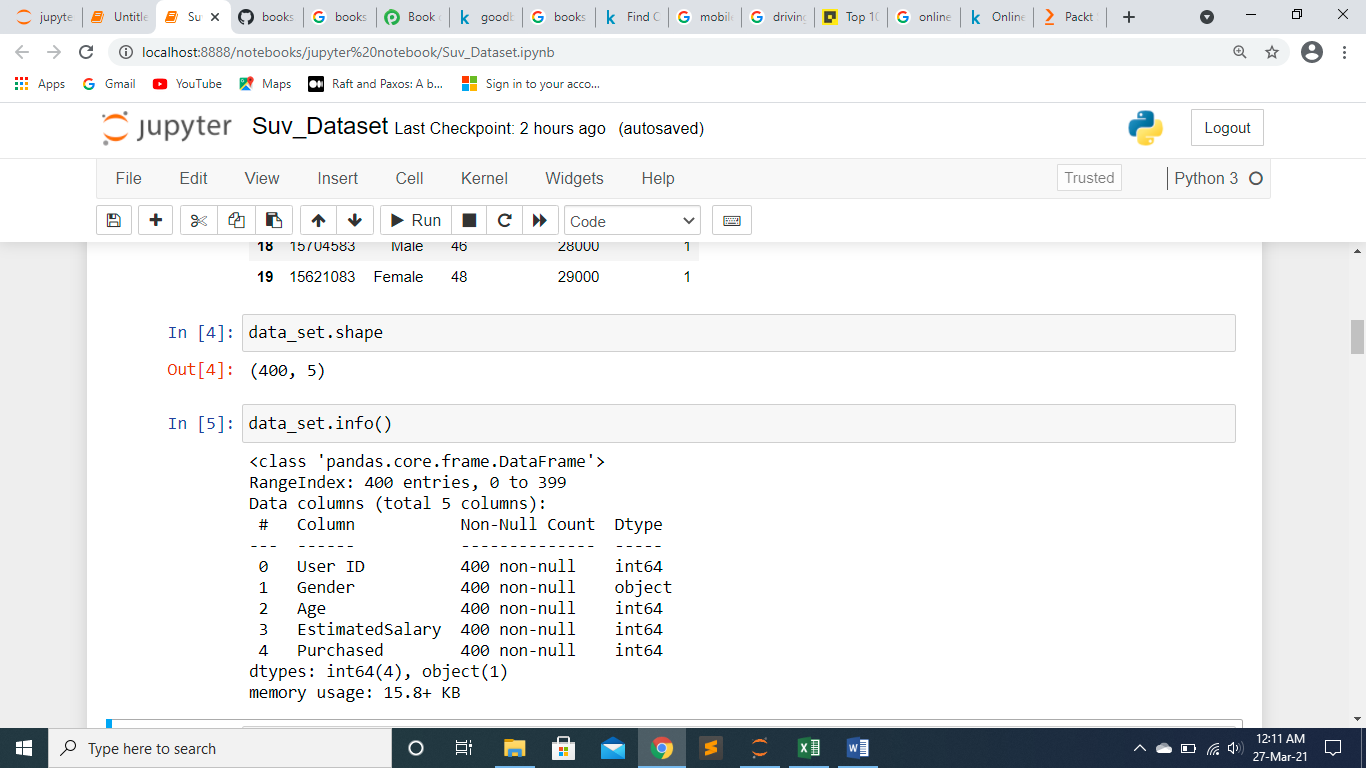
**Loading suv\_data.csv data set**

****

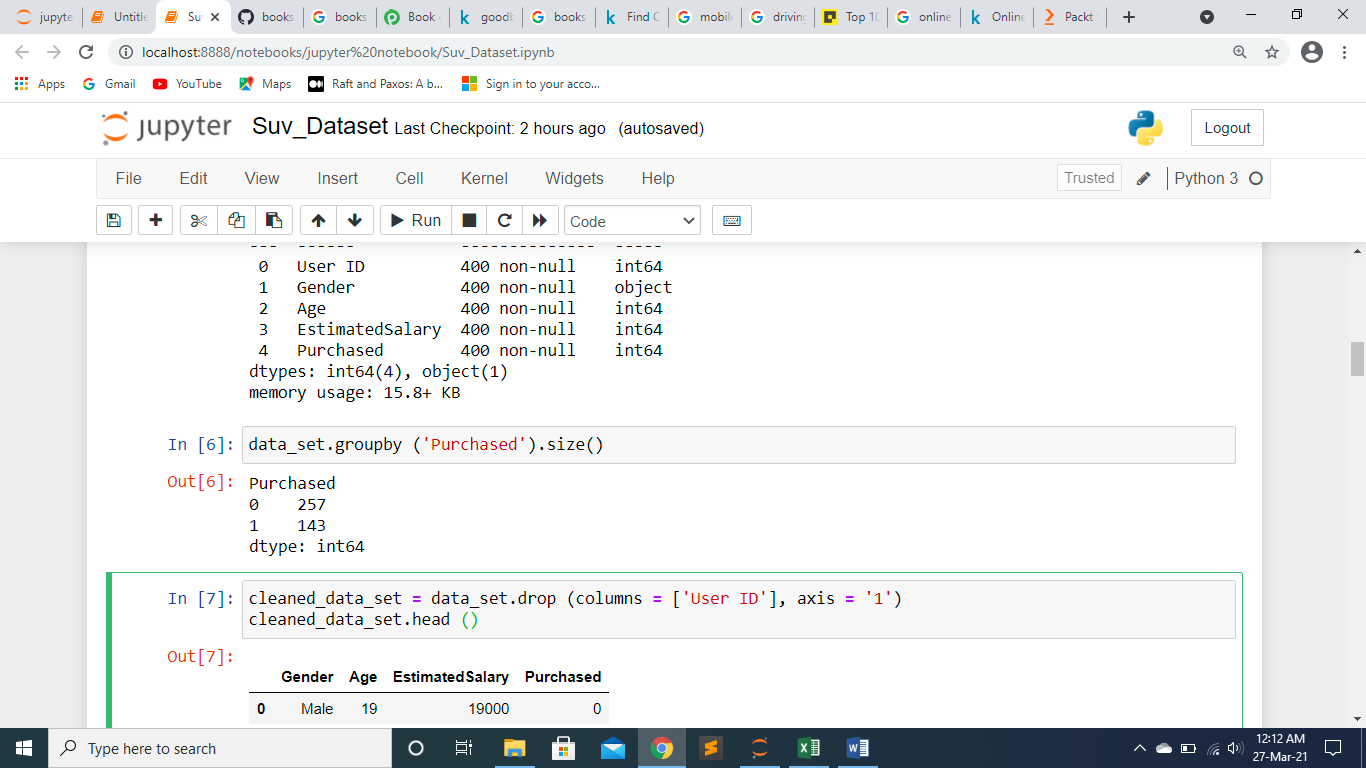
**Displaying first 20 records of data**

****

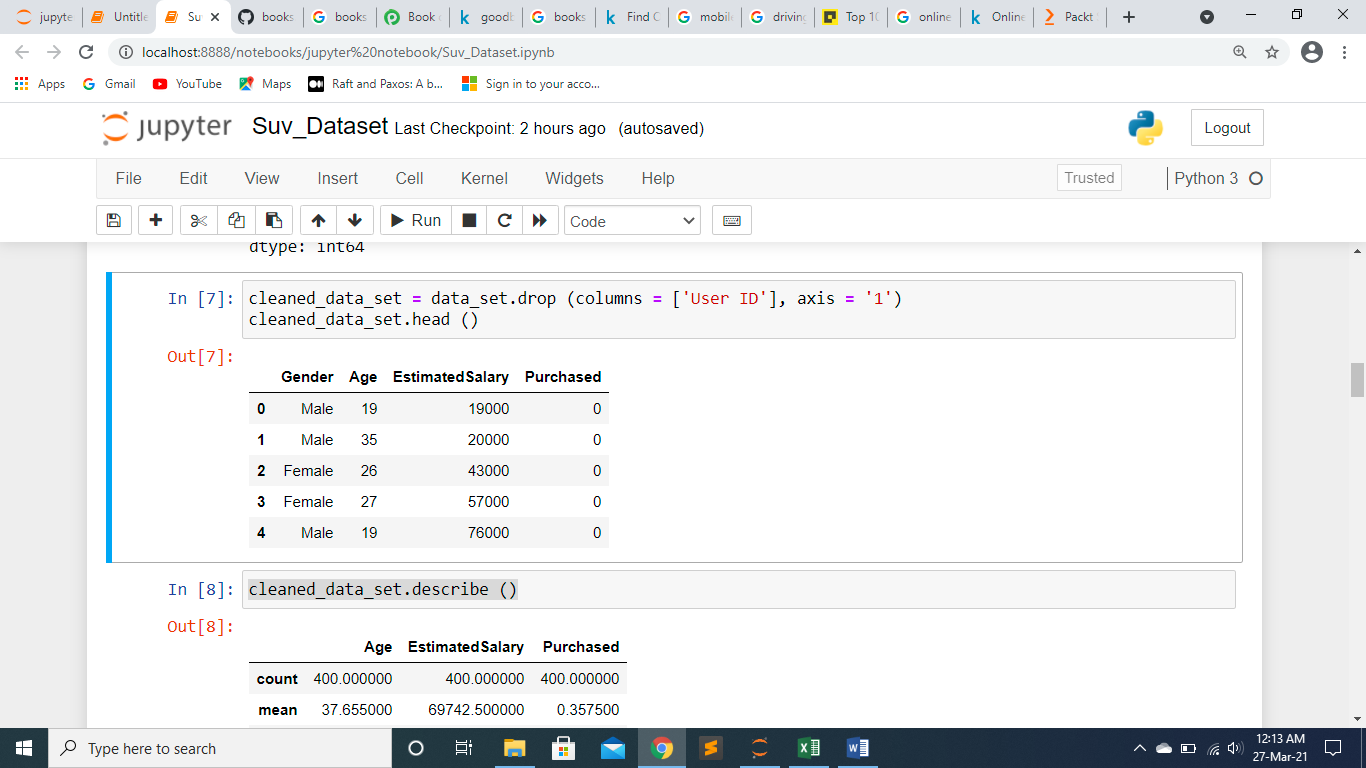
**Displaying datatypes of columns**

****

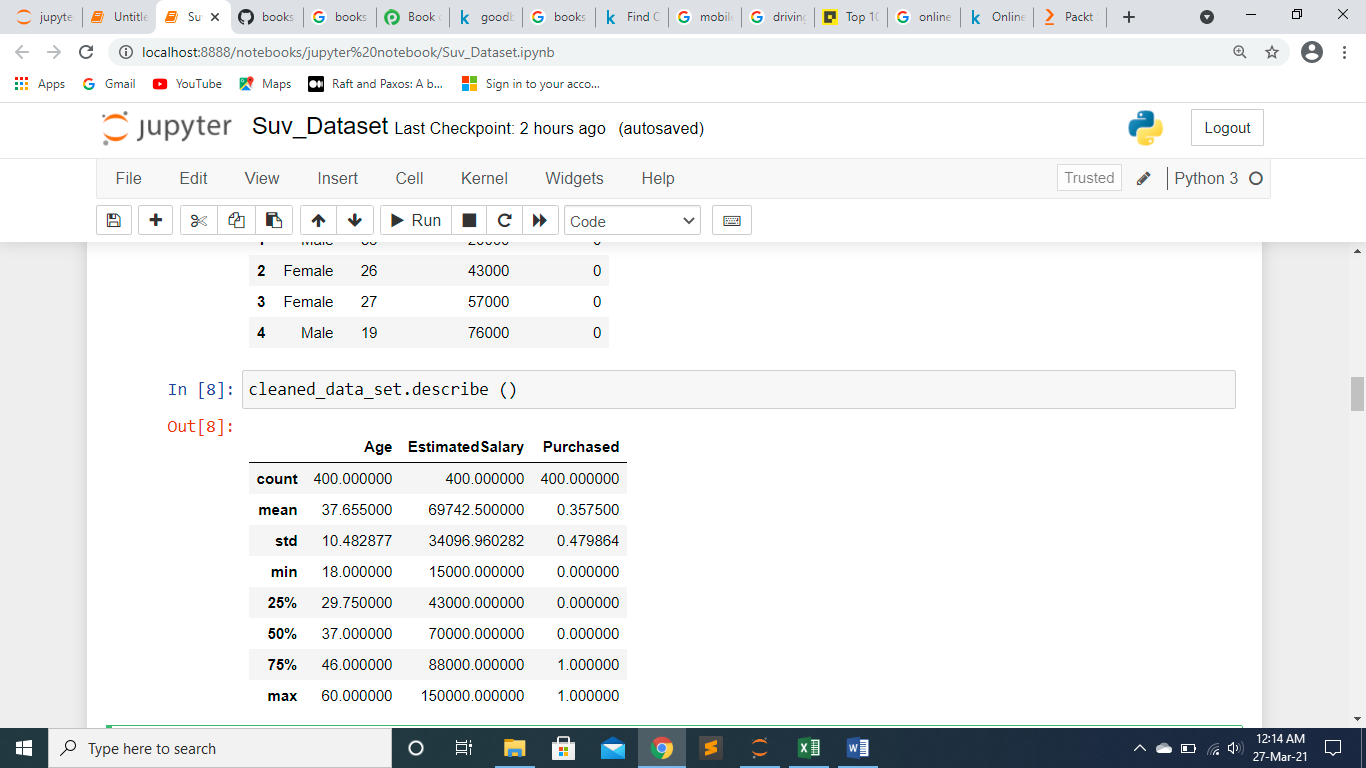
**Grouping data set by “purchased”**

****

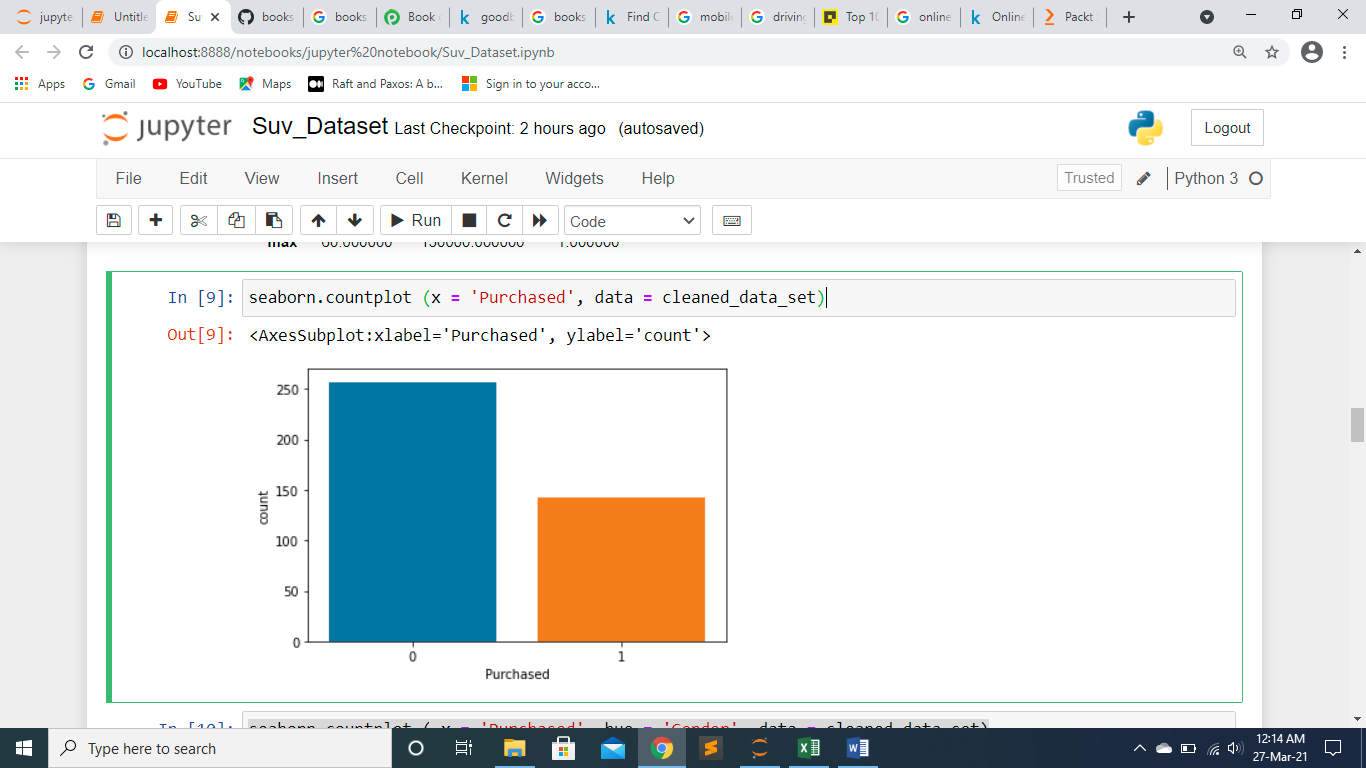
**Dropping column “User ID” and displaying**

****

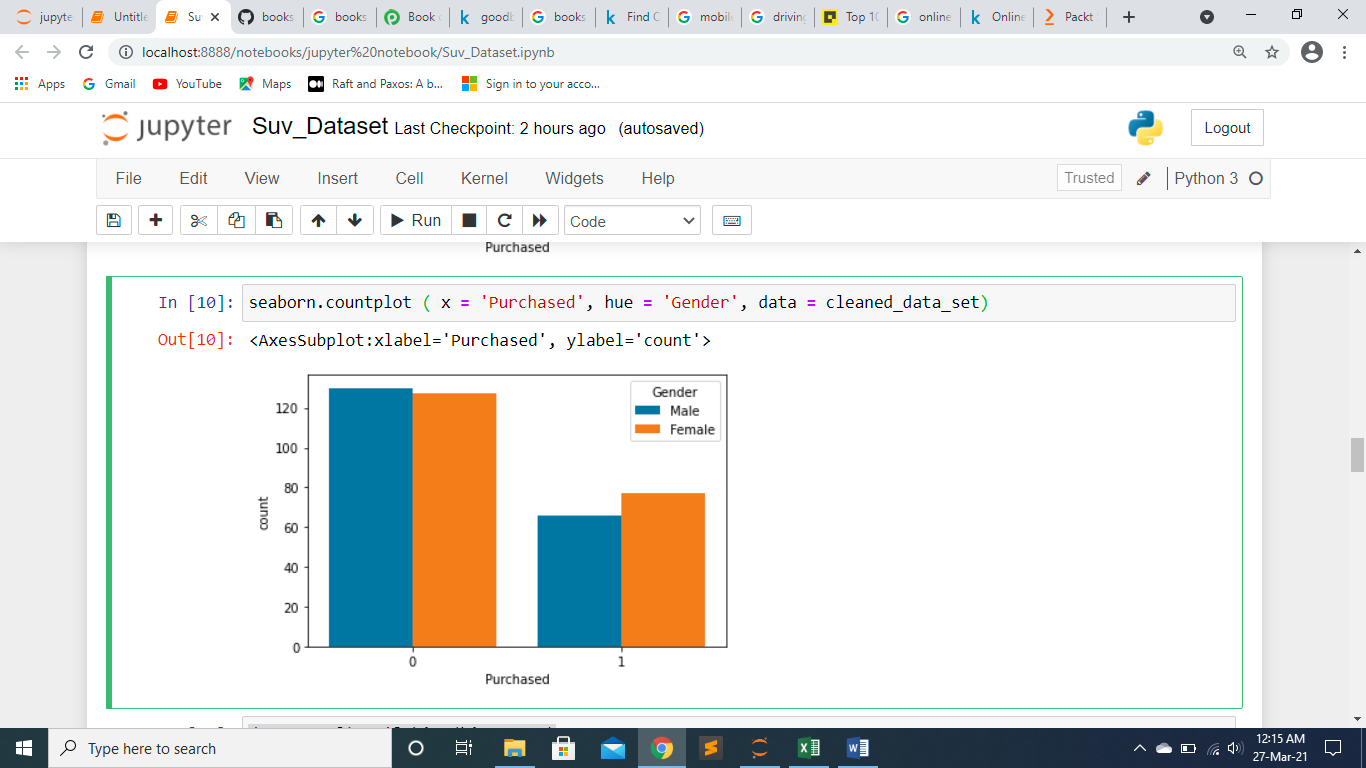
**Describing Data set**

****

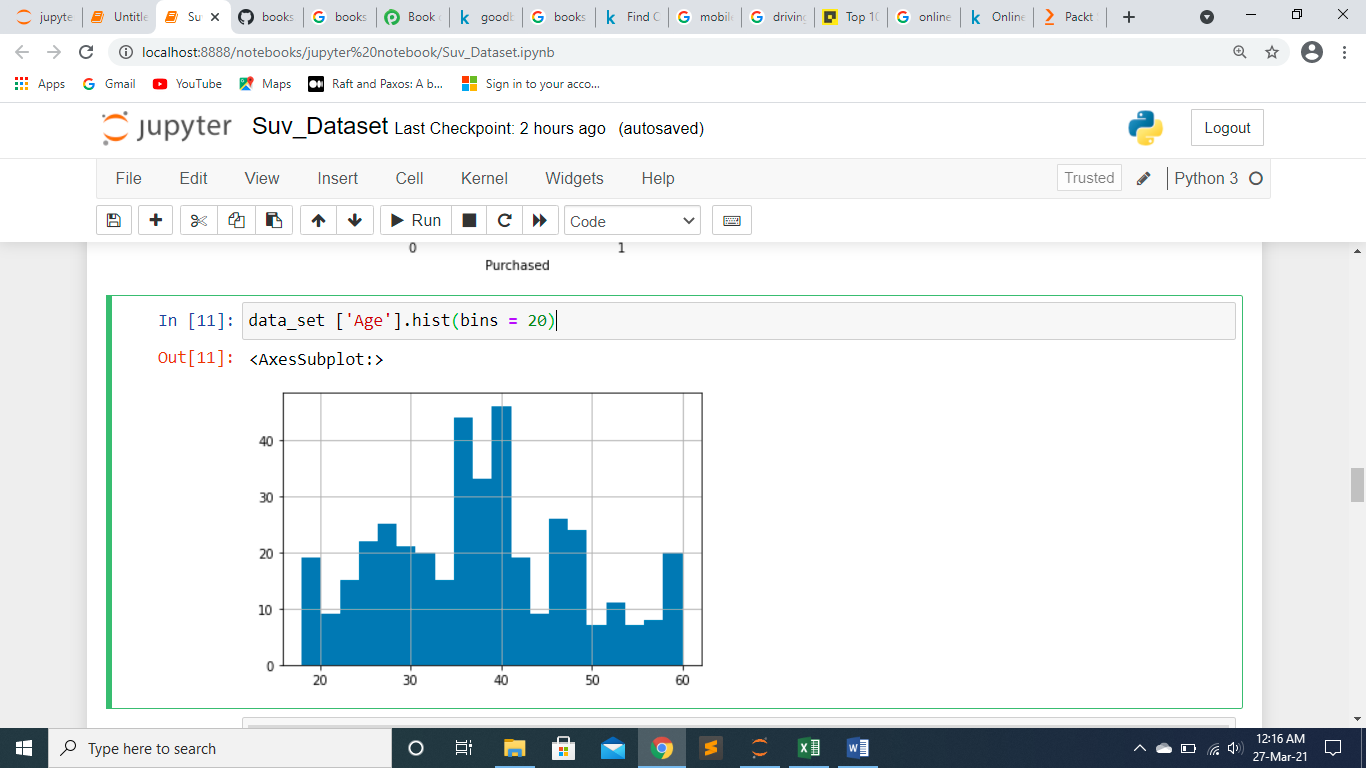
**Displaying purchased and not purchased count in Bar Diagram**

****

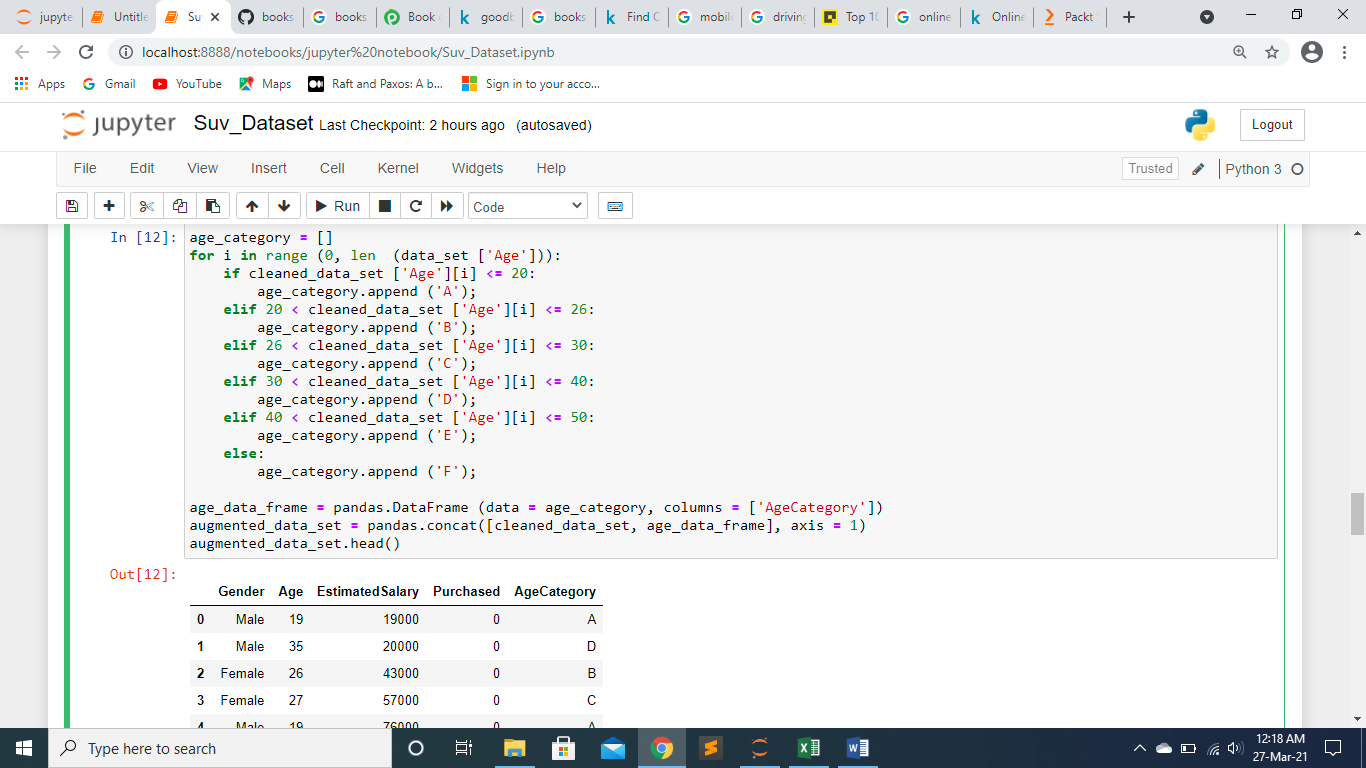
**Displaying purchased SUV by categorizing in gender**

****

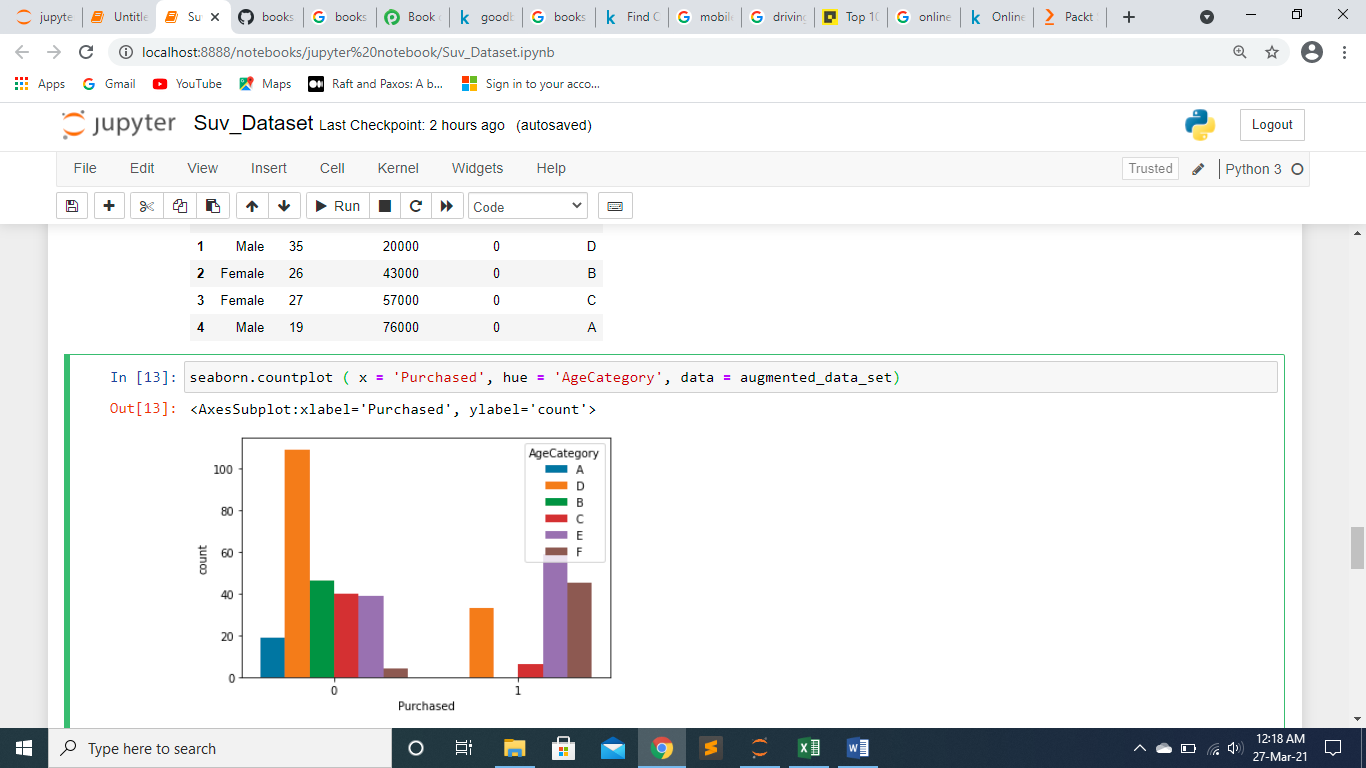
**Data set of column “Age” in bins**

****

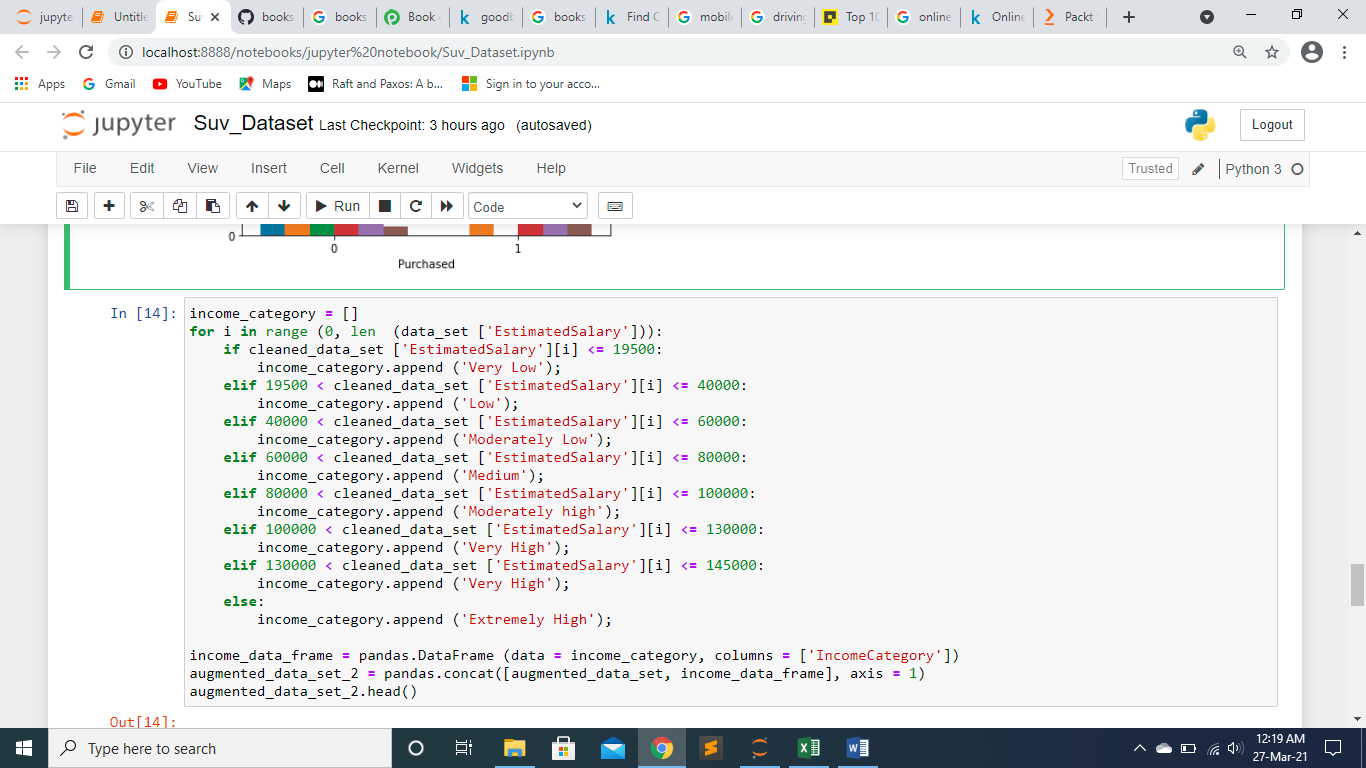
**Categorizing by age of SUV-Purchasers**

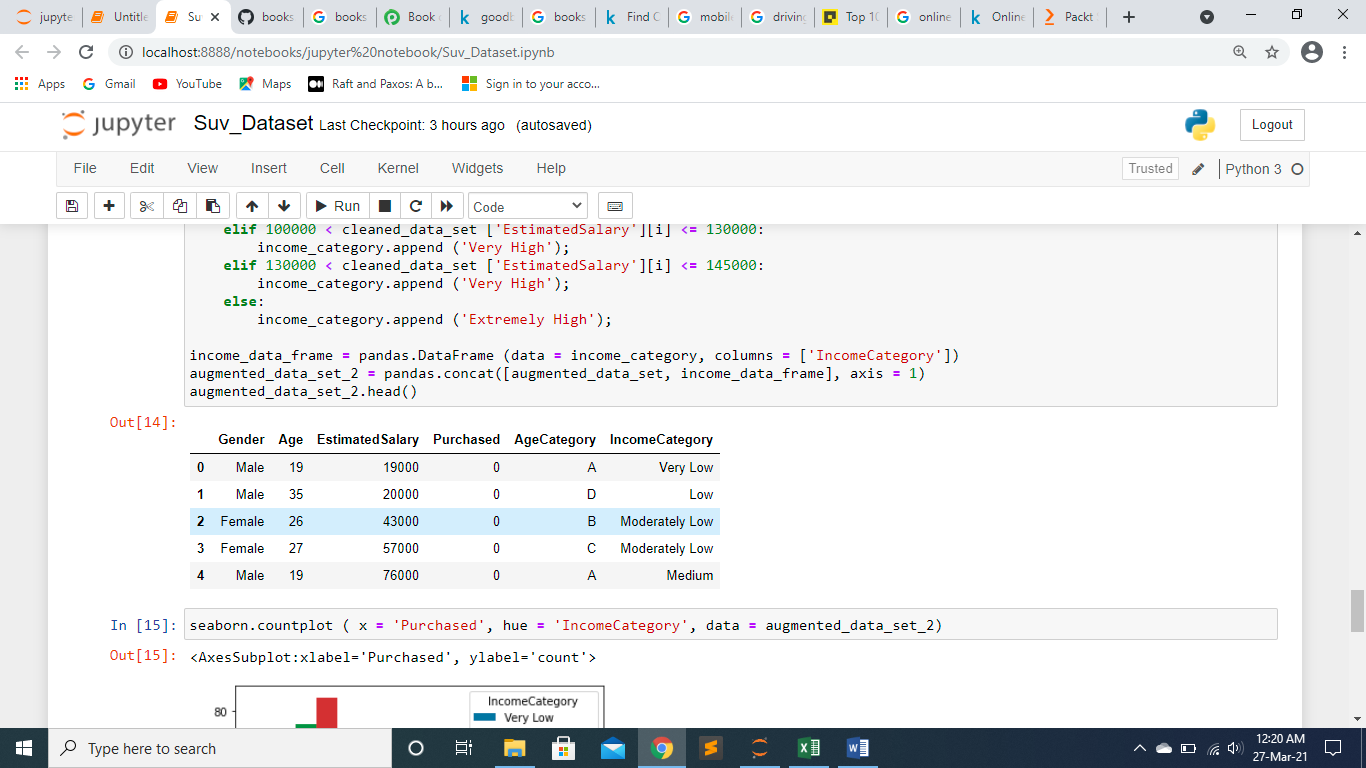
****

**Displaying that data in Bar Chart**

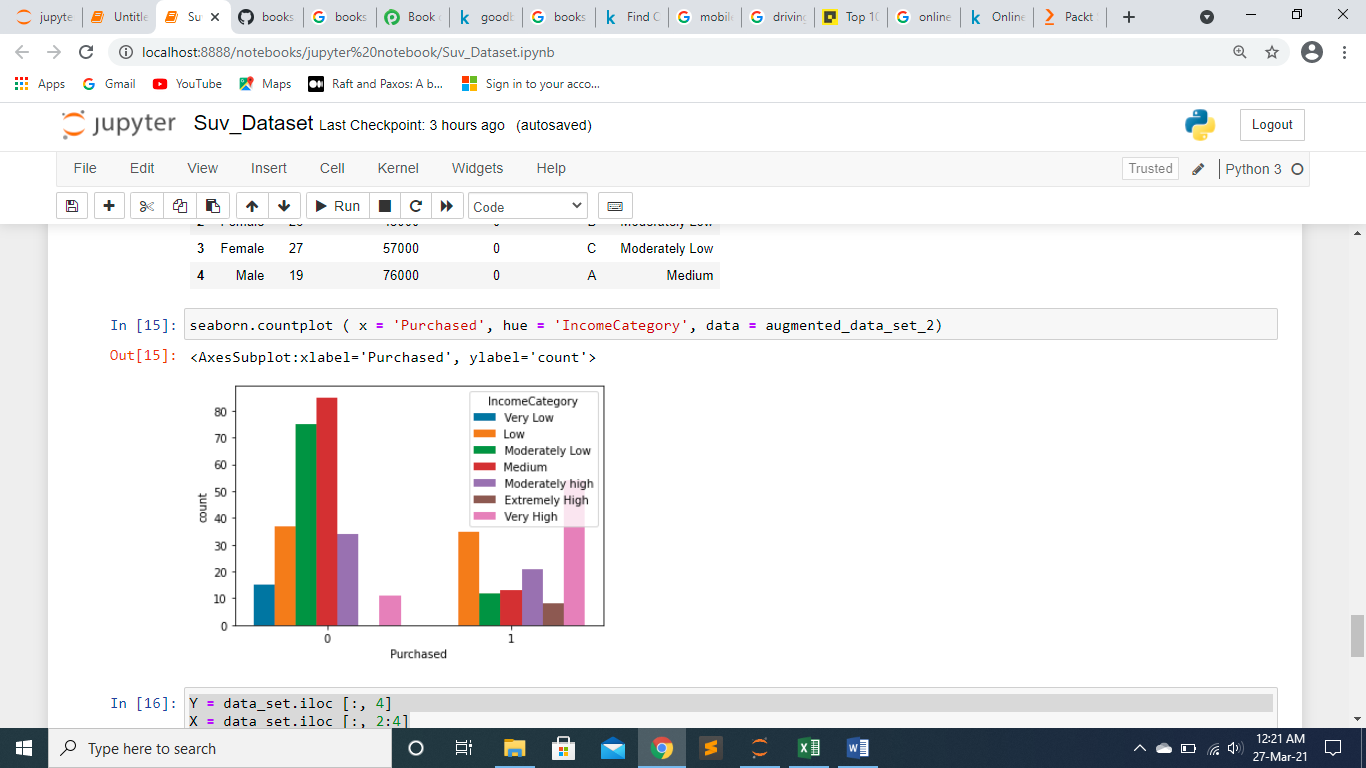
****

**Categorizing By Income of the SUV - Buyers**

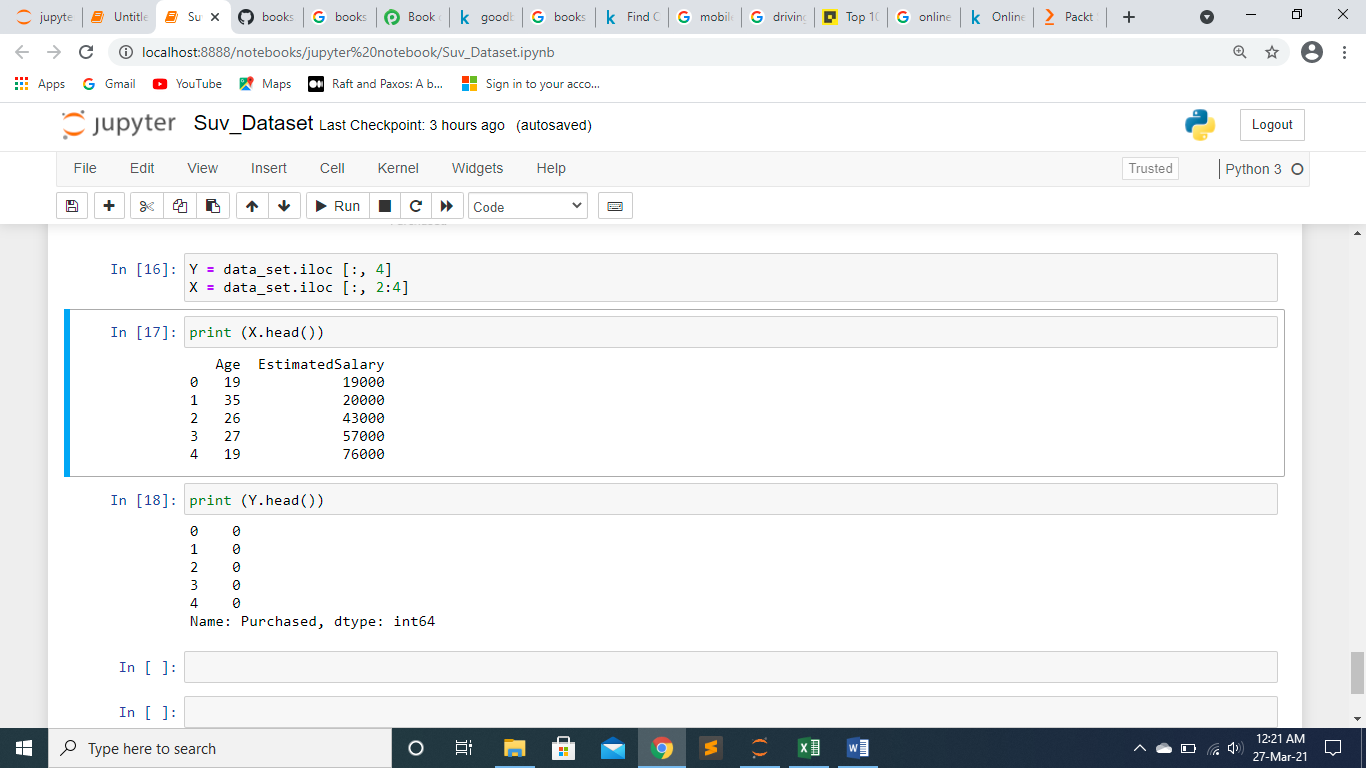
****

****

**Displaying that data in Bar Chart**

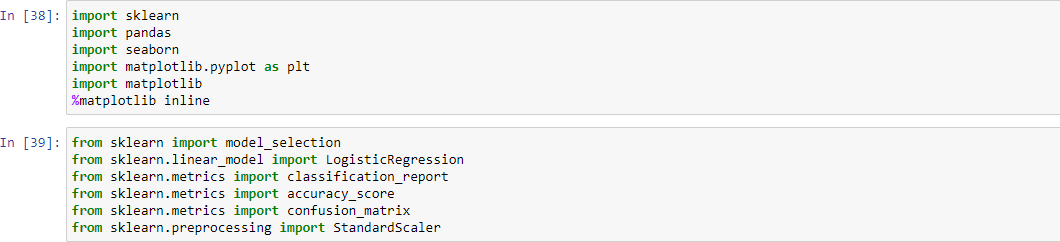
****

**Slicing the column**

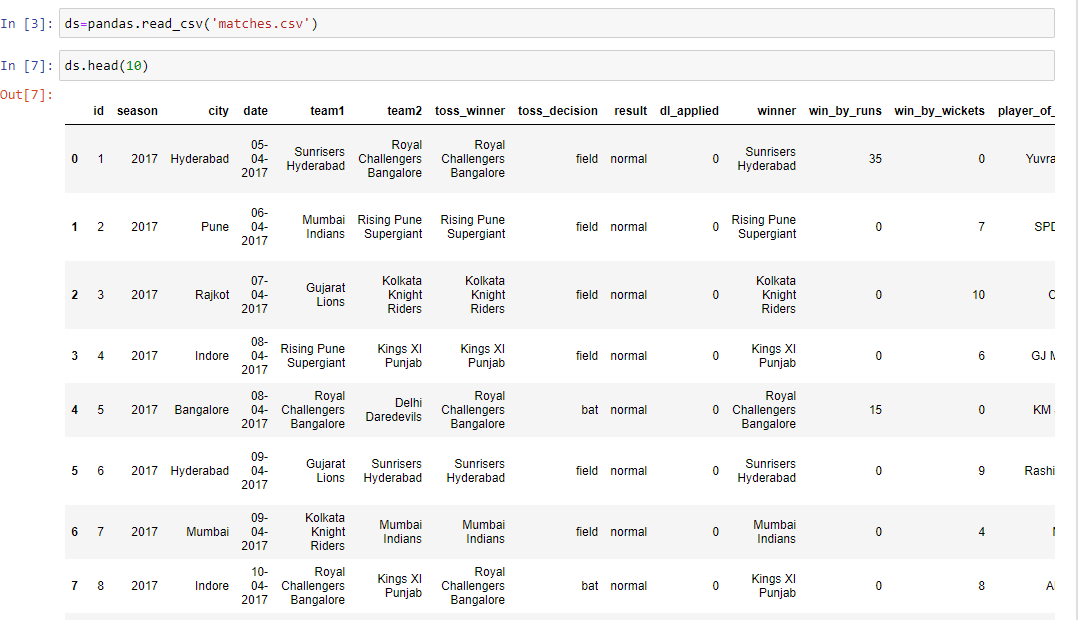
****

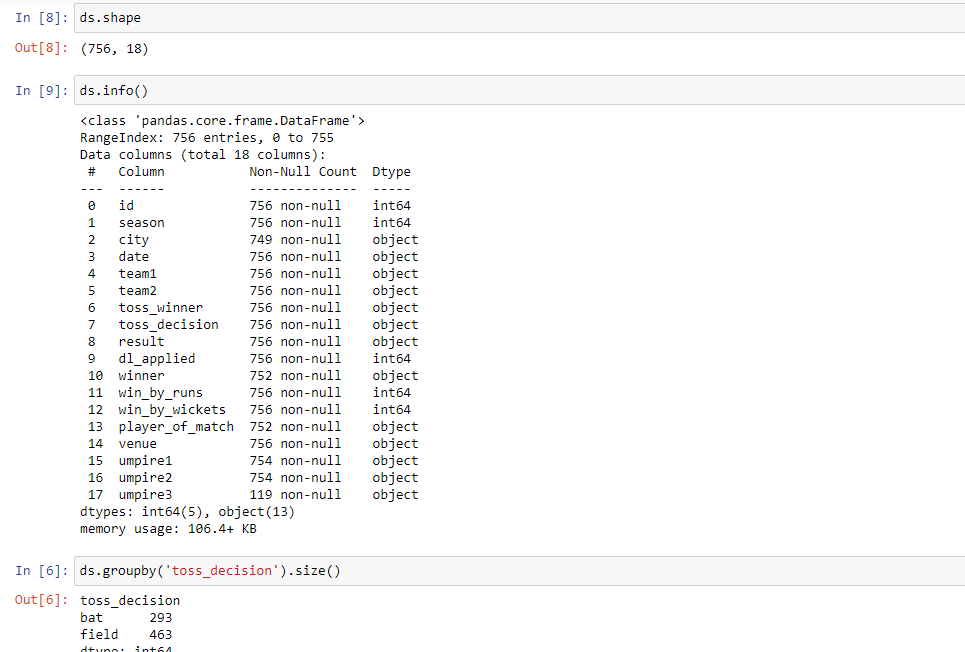
**Dataset: IPL**

**Importing required Modules:**

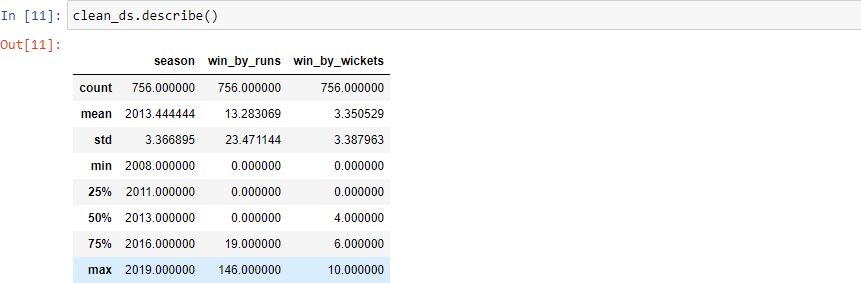
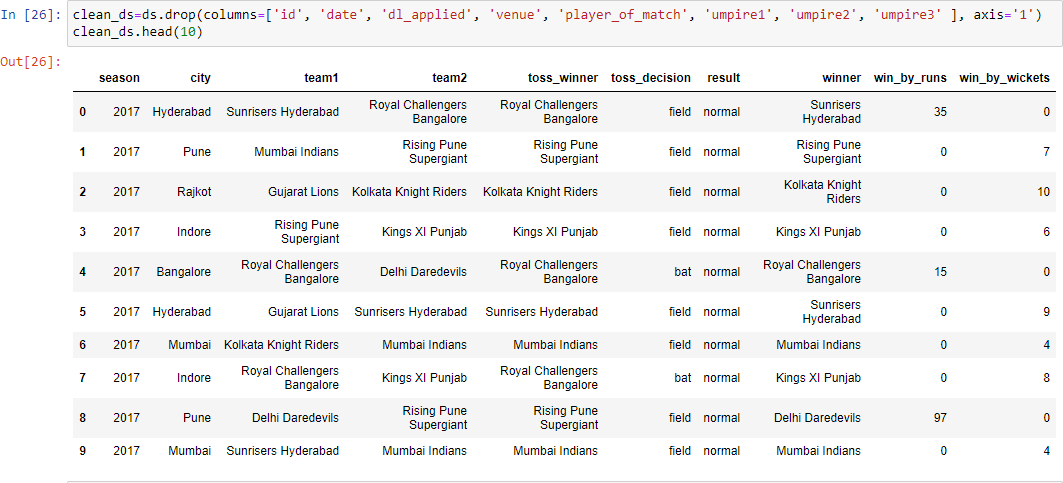
****

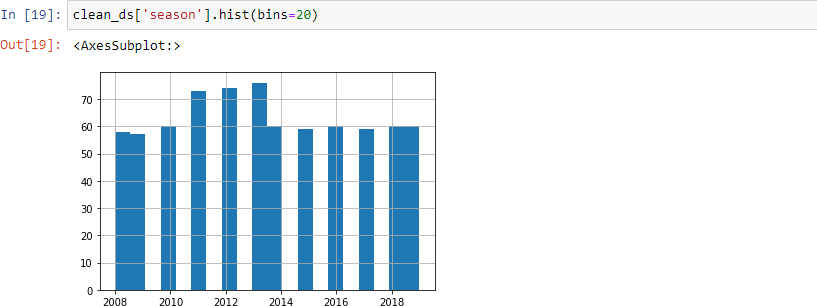
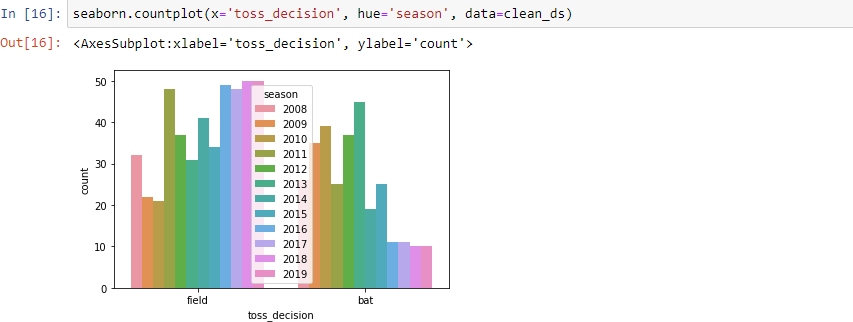
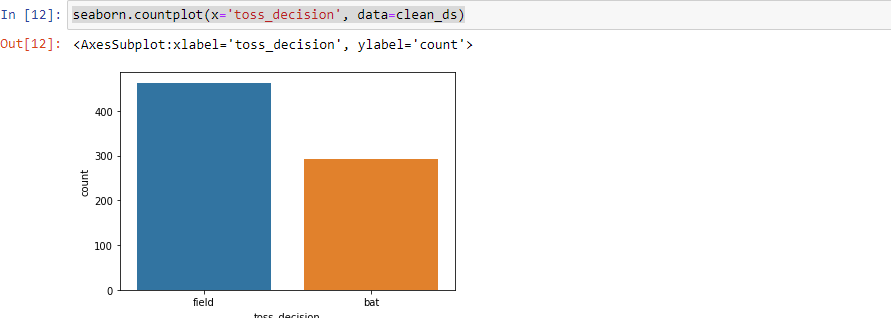
**Reading and Summarizing the SUV Dataset:**

****

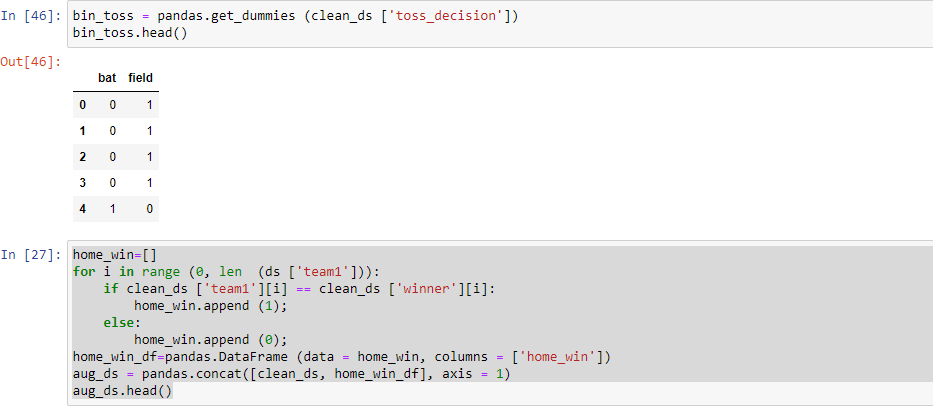
****

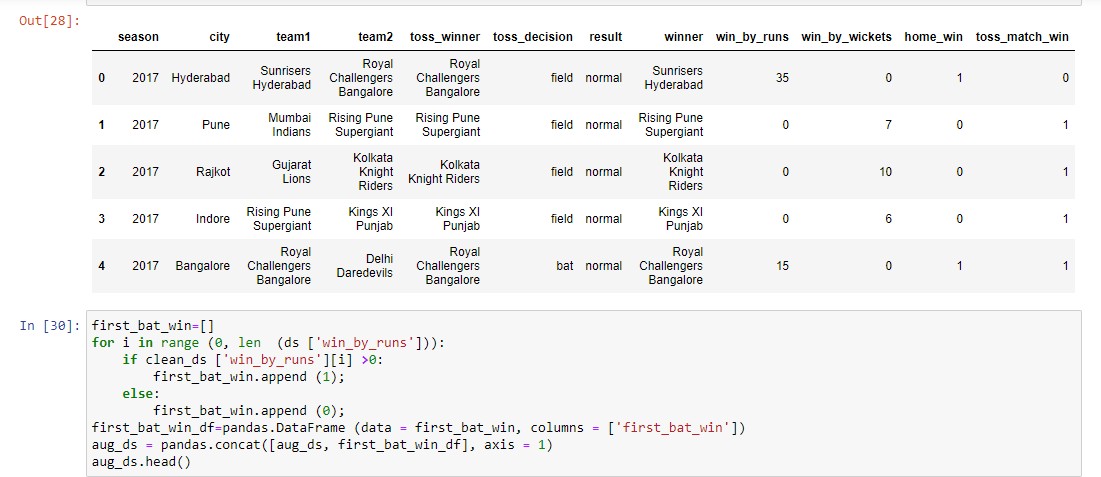
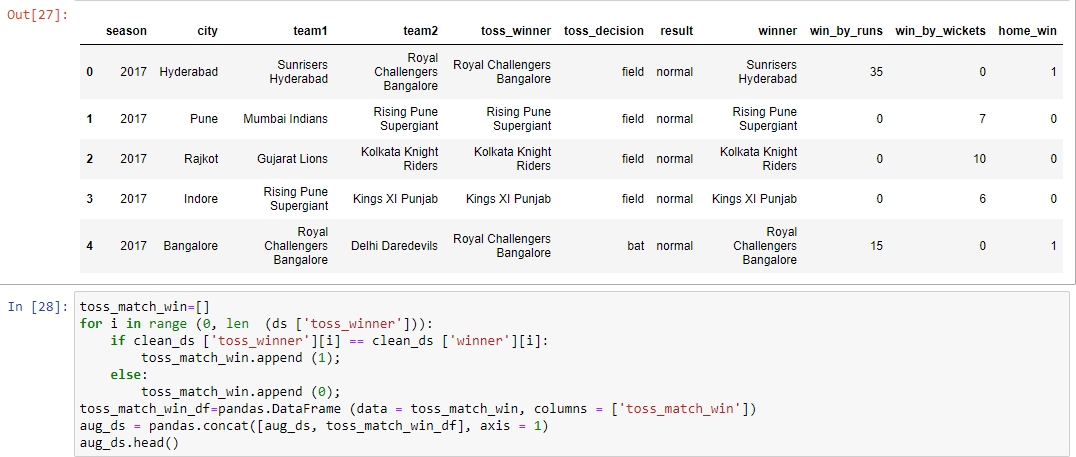
**Cleaning the dataset:**

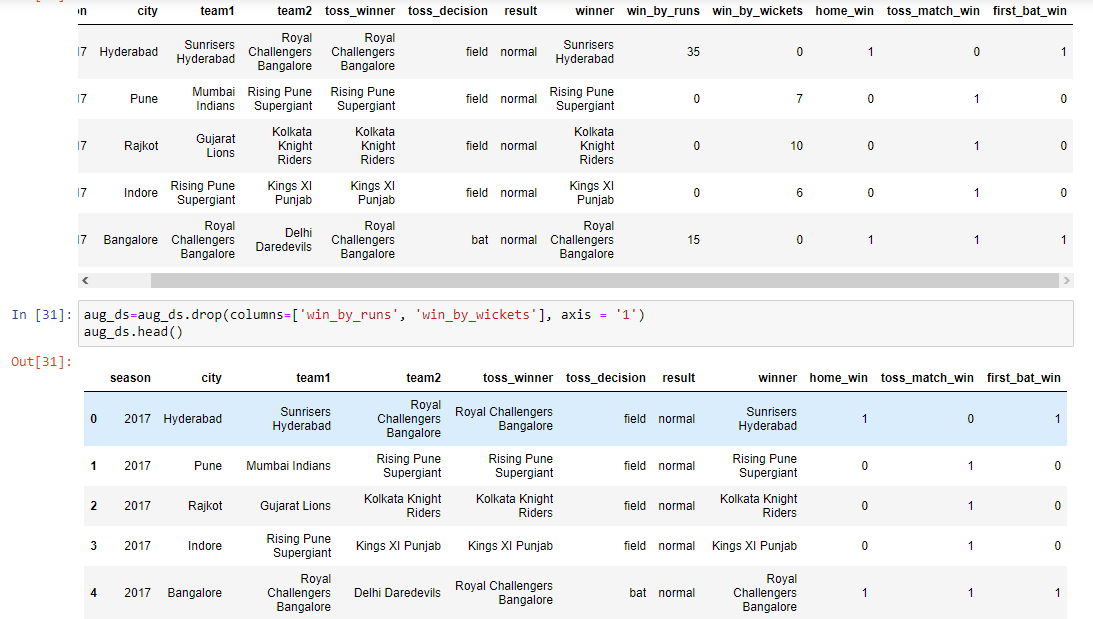
****

**Visualizing Data:**

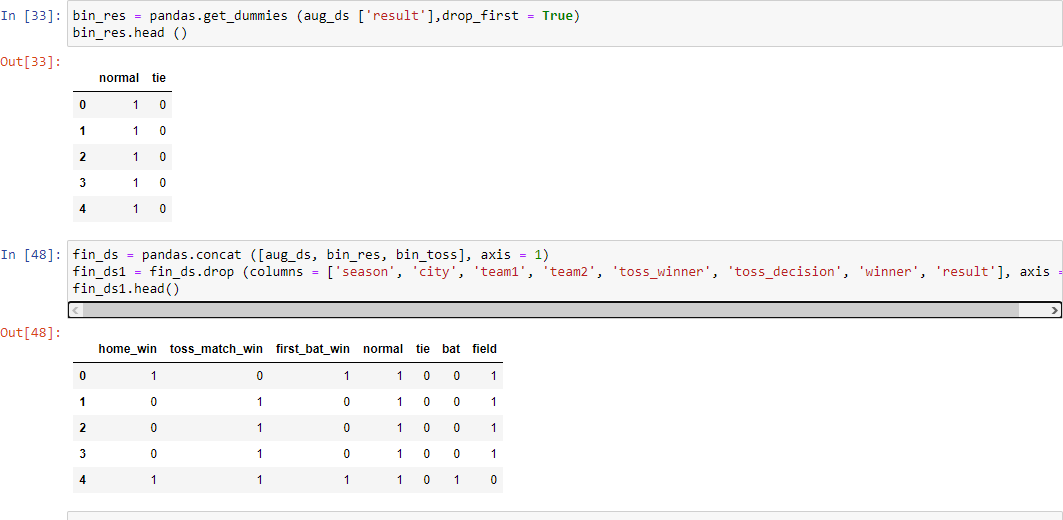
**Categorizing and Visualizing the dataset:**

****

****

****

**Final Dataset:**

****

**Predicting:**

\THANK YOU MAM !!\