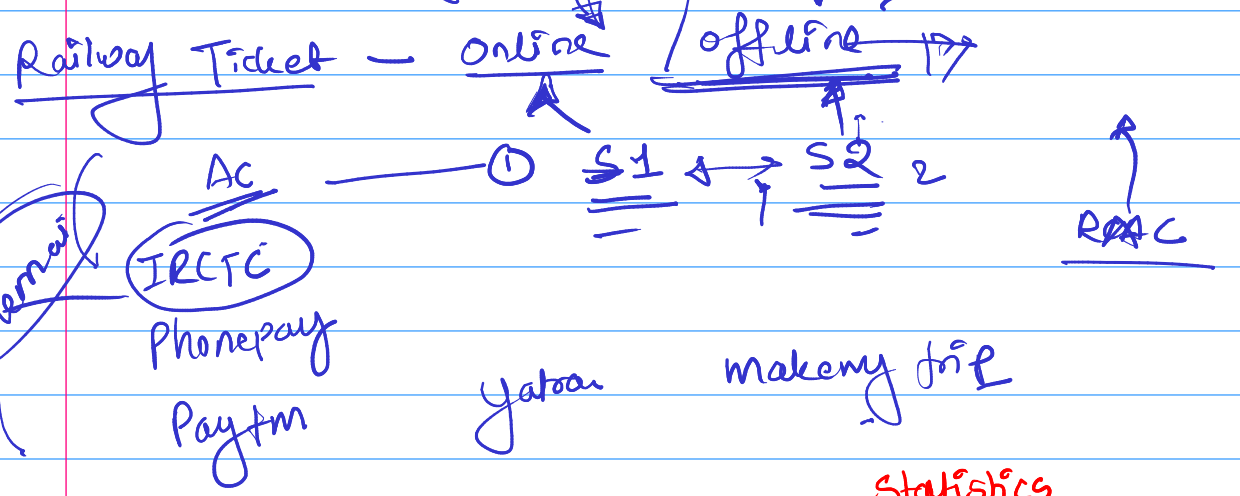
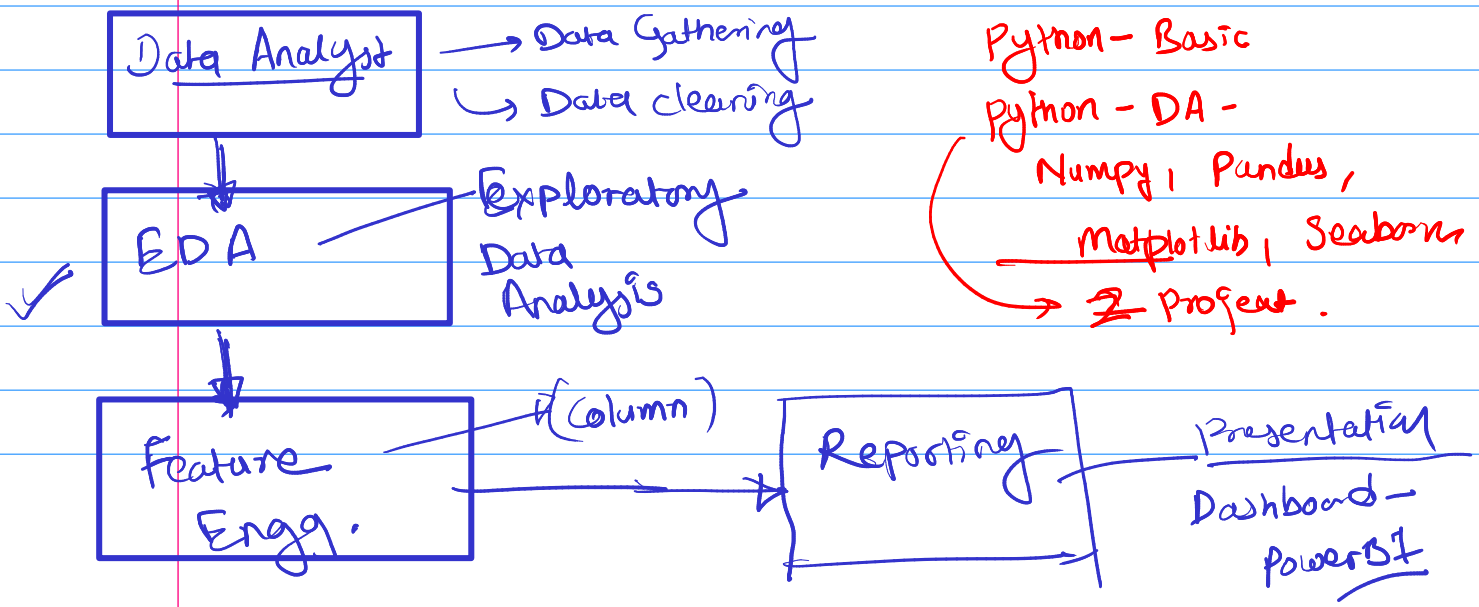
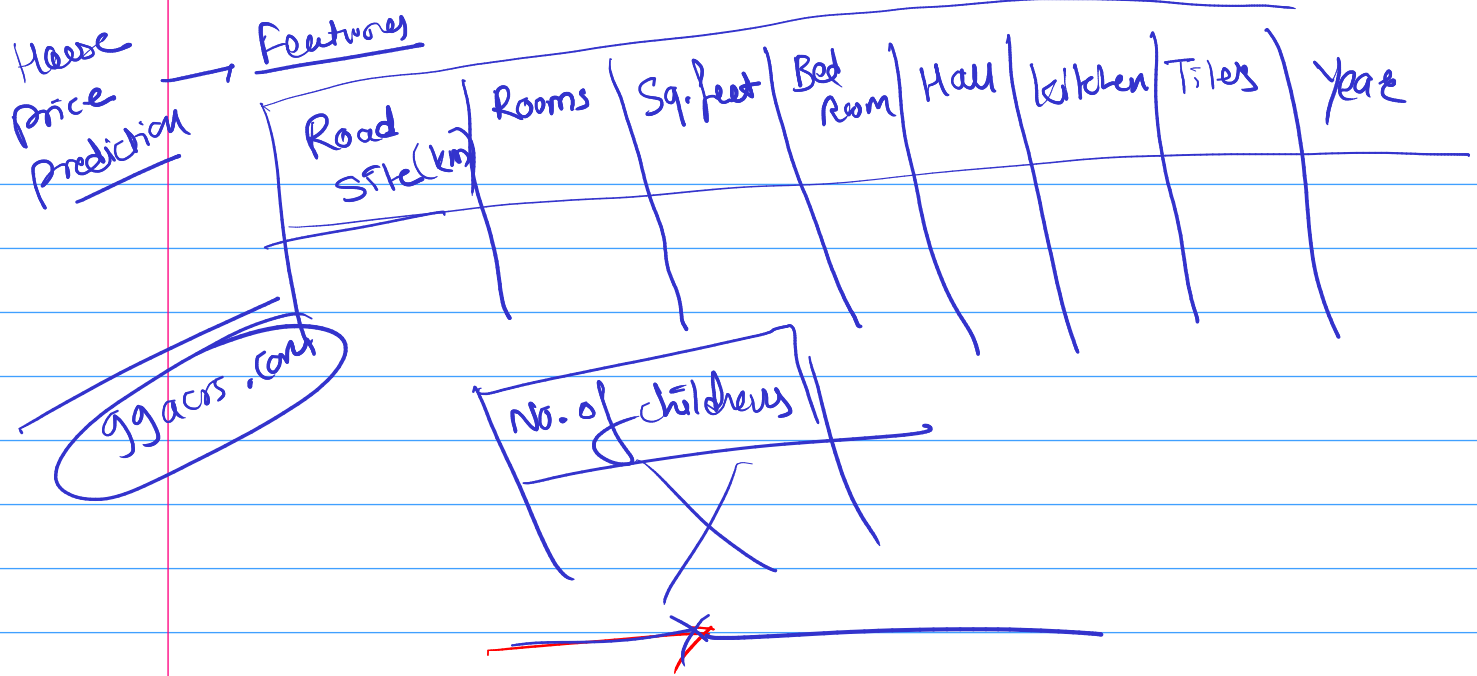


Application Program Interface.



Statistics -  
 Python - Basic  
 Python - DA -  
 Numpy, Pandas,  
matplotlib, Seaborn  
 → 2 Project.





## Statistics

**Statistics is a branch of mathematics that involves collecting, analysing, interpreting, and presenting data. It provides tools and methods to understand and make sense of large amounts of data and to draw conclusions and make decisions based on the data.**

- In practice, statistics is used in a wide range of fields, such as business, economics, social sciences, medicine, and engineering. It is used to conduct research studies, analyse market trends, evaluate the effectiveness of treatments and interventions, and make forecasts and predictions

## Statistics

### Descriptive

Descriptive statistics deals with the collection, organization, analysis, interpretation, and presentation of data. It focuses on summarizing and describing the main features of a set of data, without making inferences or predictions about the larger population.

### Inferential

Inferential statistics deals with making conclusions and predictions about a population based on a sample. It involves the use of probability theory to estimate the likelihood of certain events occurring, hypothesis testing to determine if a certain claim about a population is supported by the data, and regression analysis to examine the relationships between variables

Population (N)

Sample (n)

Entire group of Data.

Subset of population

ex - entire fans of cricket  
Population

fans available at  
stadium

Type of Data

