Nrows = Numbers of rows

Ncol = Numbers of Columns

Rows can be called as Data Points / Observations

Columns can be called as Variable / Feature / Attribute / Tag / lable

Each row will contain variables data.

Dimension = Nrow \* Ncol

**Agenda**

**Data Analysis Vs Data Science**

**Different Types of Data Analytics Methods**

**Variable Types**

**Sample and Population**

* **Data Analysis Vs Data Science**

Eg,. Data from Super Market to know future sales.

**Data Analysis**

1. Descriptive Analytics -> Understanding the data
2. Inferential -> conclusion how its coming
3. Predictive Analytics -> Know how may sale?
4. Prescriptive Analytics -> Strategies how to improve Sales.

Eg.,  
In layman teams, if we take our own bank statement that data is - Descriptive

Understanding the data/money spent is - Inferential

Where have we necessary / unnecessary expenses is – Predictive

What expenses can be cutdown / save is – Prescriptive

**Population and Sample:**

Eg., Cooking a curry to see if its cooked or not we take 2 - 3 veg (for samples) to know if it cooked.

**Quantity and quality**

Qualitative – Categorical Eg. Employee Name, Sex

Quantitative – Discrete, continues No of Employee (round fig)

Qualitative – Eg. Within numbers

Campaign – can be countable in round fig

Construction price is having .0000

Guys nothing personal going further, lets hold on to our horses on posting our quire / ques and post it only when Mr. Aravind mention if we have any quire / ques.