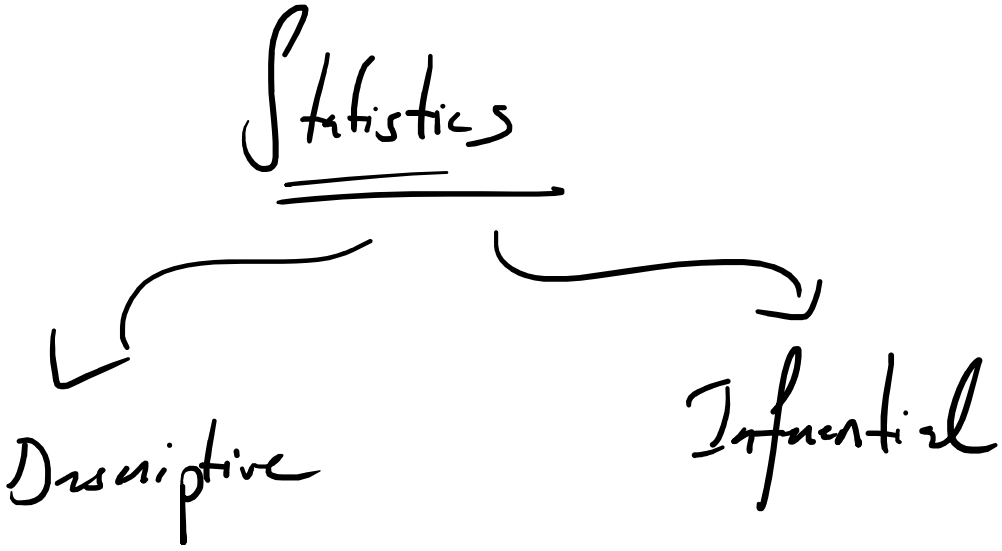
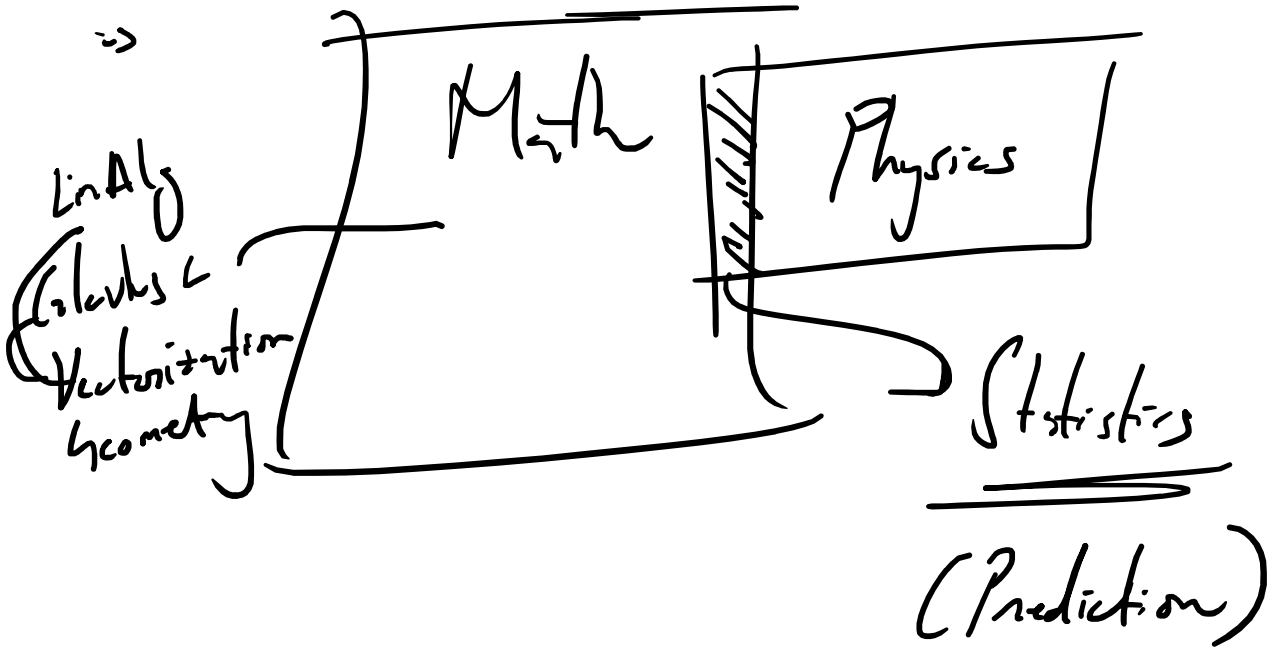
2025-07-14 - Analyze data for solving the problems of Exploratory Data Analysis.

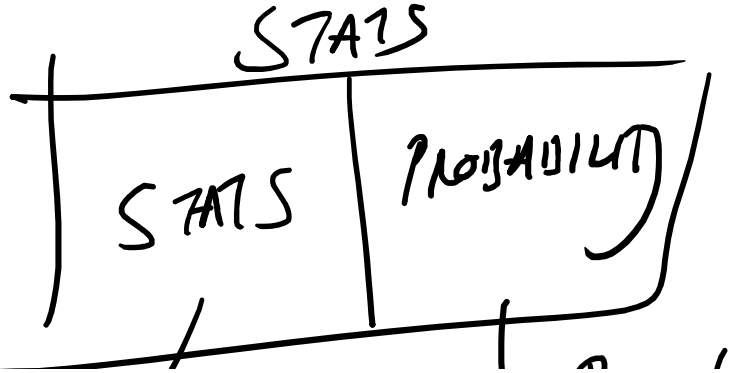
14 July 2025 16:38

=> 6 Modules :



=>



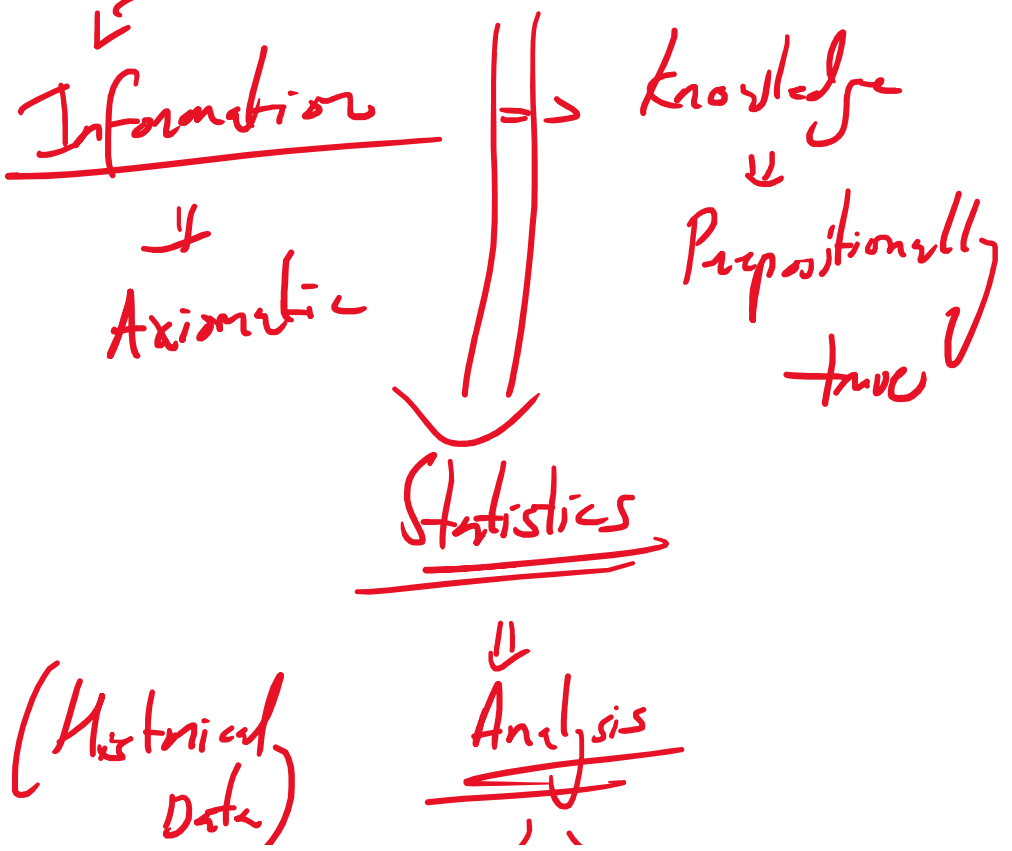


-> Probability is axiomatic & statistics is propositionally true. (Logic)

=> Statistics for historical data.

↓

Recorded measure



(... Data)

CS = Visualization   Predictive Analytics
Maths = Graphing

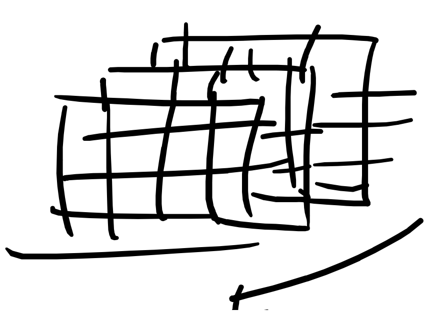
Predictive Analytics
⇓
ML
⇓
DL
⇓
Trans
⇓
LLMs

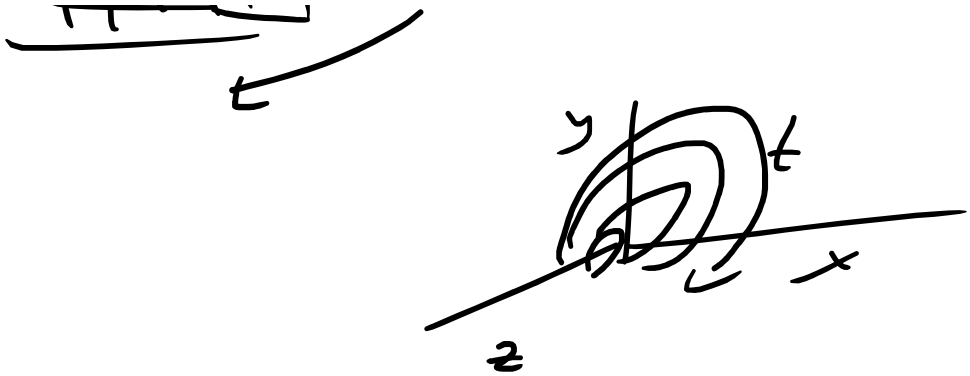
⇒ **Conventions;**

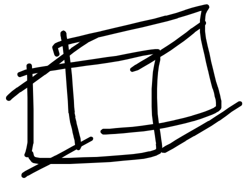
[x] – 1-D ~ Scalar

[[x] [x] [x]] – 2-D ~ Vector (Arrays)

[x x x x]
[x x x x]
[x x x x] – 3-D ~ Matrix (Arrays) (DataFrame)

 – N-D ~ Tensor (Tesseract)



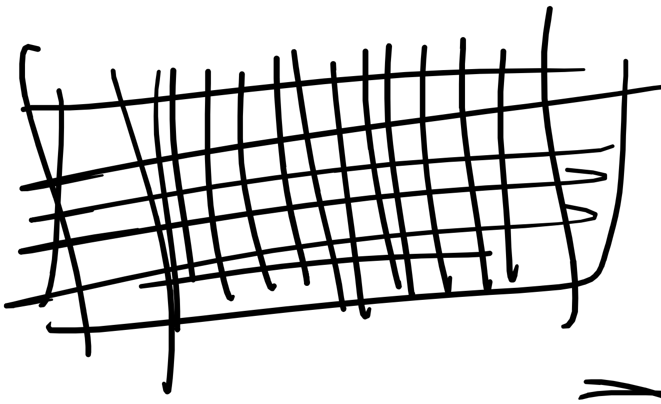


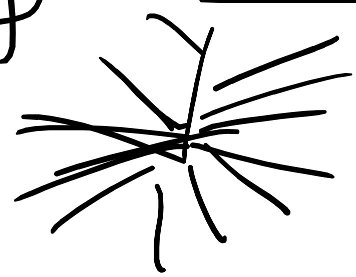
=> ROBOTS

CS ~ Tuples & Attributes

Rows & Columns

Features & Values





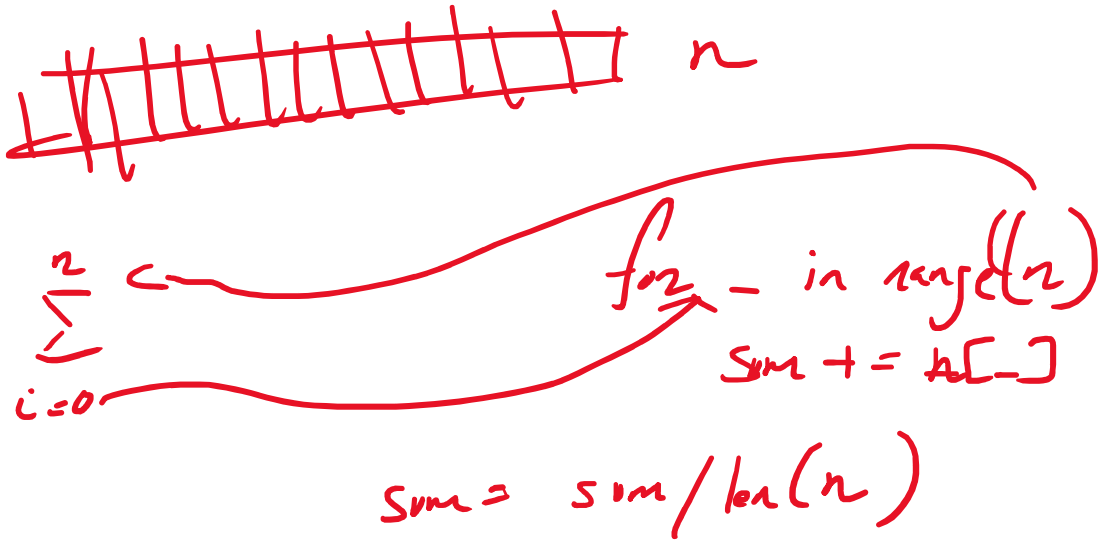
=> PDF & CDF

=> Descriptive Stats : Information Mining

=> Measures of Dispersion

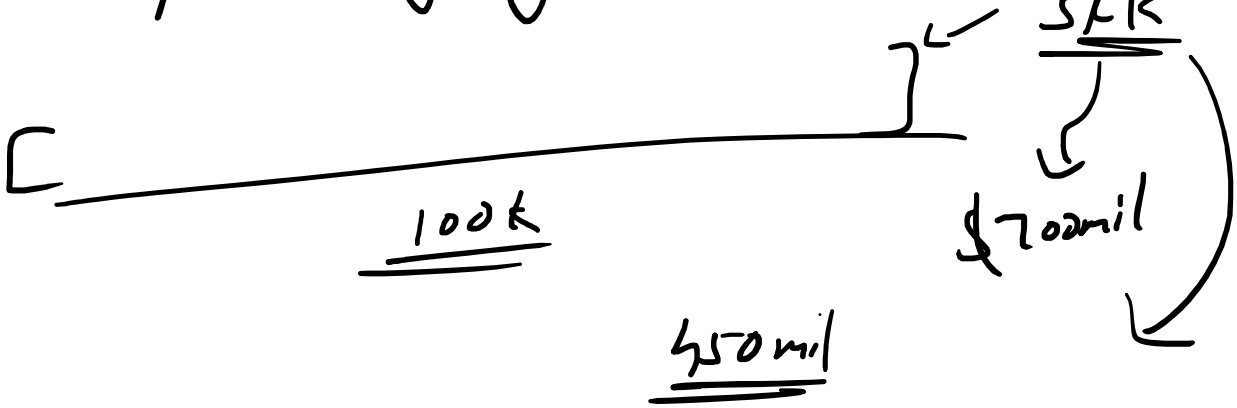
=> Measures of Central Tendancy

↳ Mean : $\bar{x} = \frac{1}{N}\sum_{i=1}^{n} x$



⇒ Median = (Excluding Outliers)

Eg: (ears of income (yearly) in Bandra



7-8 LRA

=> Median :