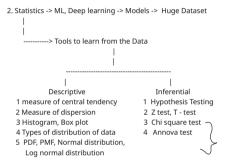
What We will Lean

3 main Import thing

- 1. Linear Algebra
- 2. Statistics -> Basic to Advance -> Aplications of all this topics in Data Sciense.
- 3. Differential Calculos.
- Lineal Algebra -> Scalars Vectors, Operations Vectors, Matrices, Matriz Operations.
 Funtions, Linear Transformations, Inverse funtions, Eigen Values and Eigen vectors.
 Neural Networks -> Fordward propagations -> Matrices operations

Applications In Data Science



Conclusions about of poblation data. No work of all data, we work with sample data from

3. Differential Calculus

- 1. Derivatives, slope -> Visual diagram -> deriving equations
- 2. Tangent lines
- 3. Polynomial Expressions [Derivative of this expressions]
- 4. Trigonometric expression
- 5. Chain rule of derivative つ
- 6. Composite Function

Applications of linear Algebra, Stats, Diffetential In Data Science

- 1 Simple Linear Regression, Multiple Linear Regression.
- 2 Dimensioning Reduction [Principal Component Analysis] -> Eigen Values Eigen Vector
- 3 Neural Network is Trained -> ANN (Artificial Neural Network) -> Multi layered Neural Network