



SRMCEM LUCKNOW



PROJECT ON –PREDICTION OF SALARY USING MACHINE LEARNING

PRESENTATION BY:

SACHIN PATEL

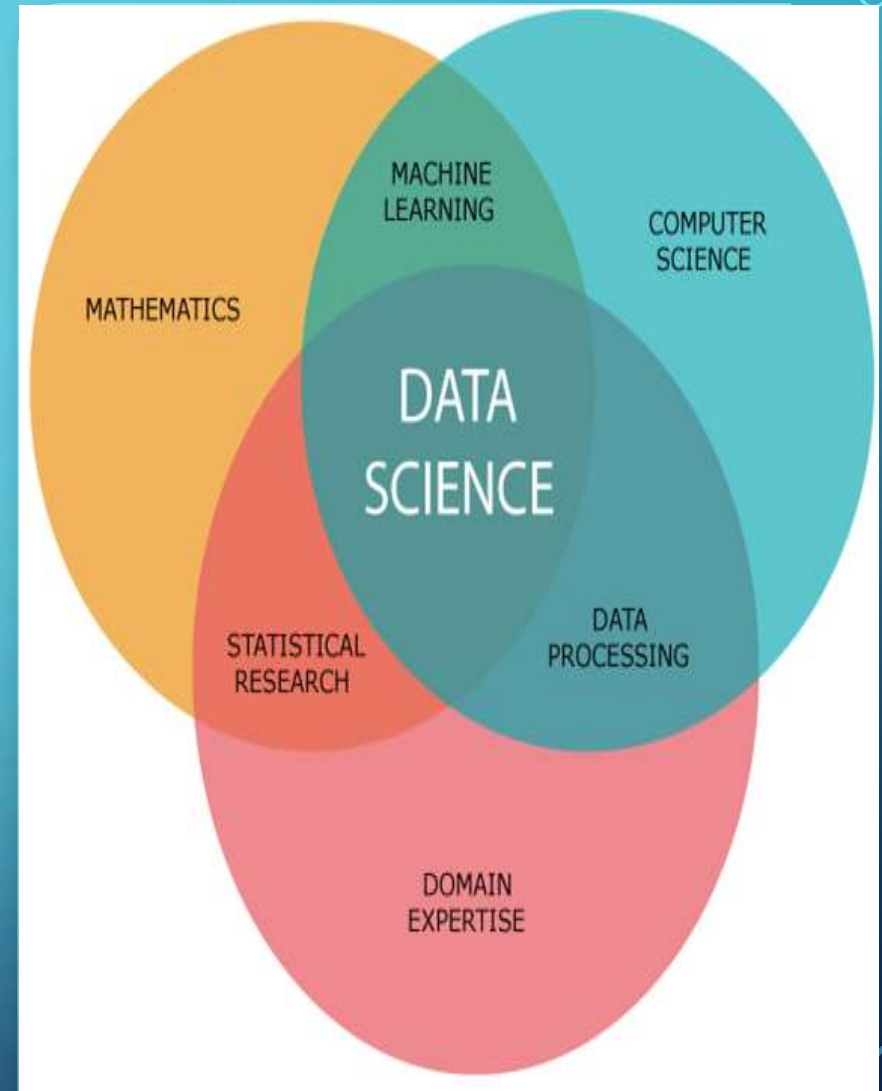
SUDHANSHU CHAUDHARY

INTRODUCTION TO DATA SCIENCE

Extraction of insights from structured and unstructured data using scientific methods.

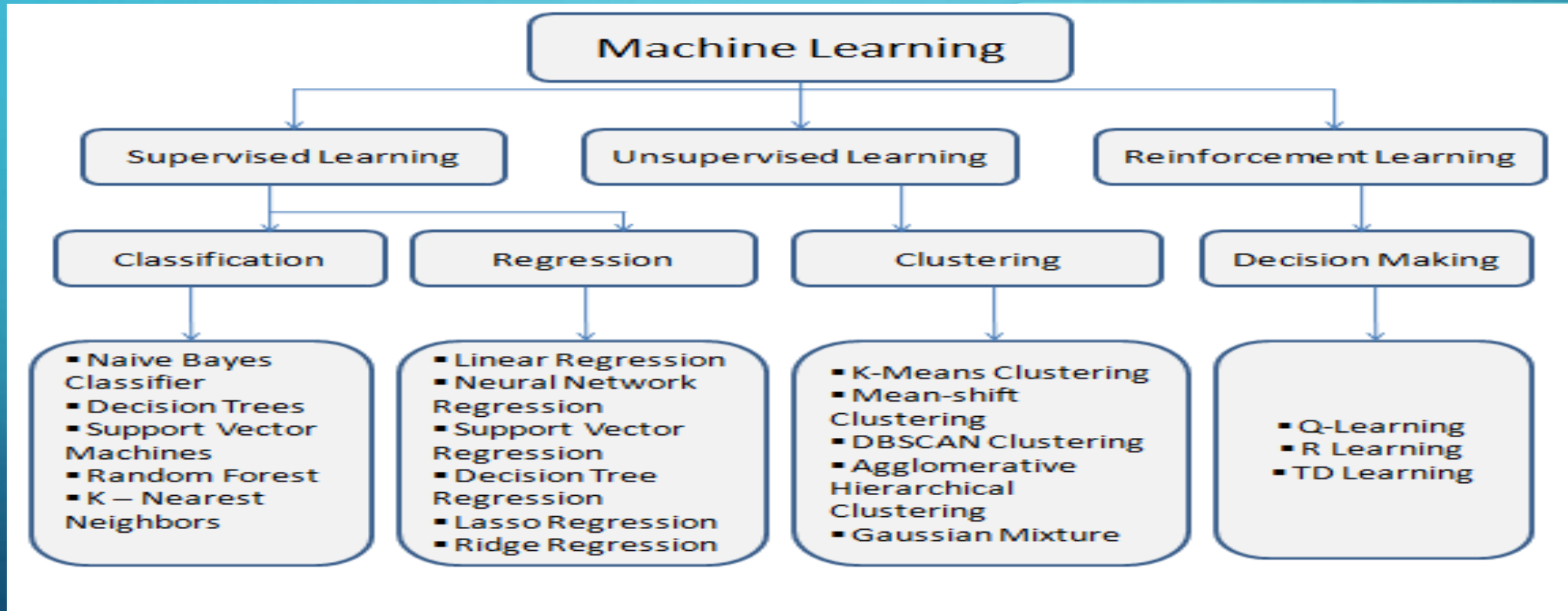
Steps in the Data Science Process:

- Problem statement
- Data collection
- Data cleaning
- Data analysis
- Modeling/ ML
- Deployment



MACHINE LEARNING

Machine learning (ML) is a subset of artificial intelligence (AI) focused on developing systems that can learn from and make decisions or predictions based on data.

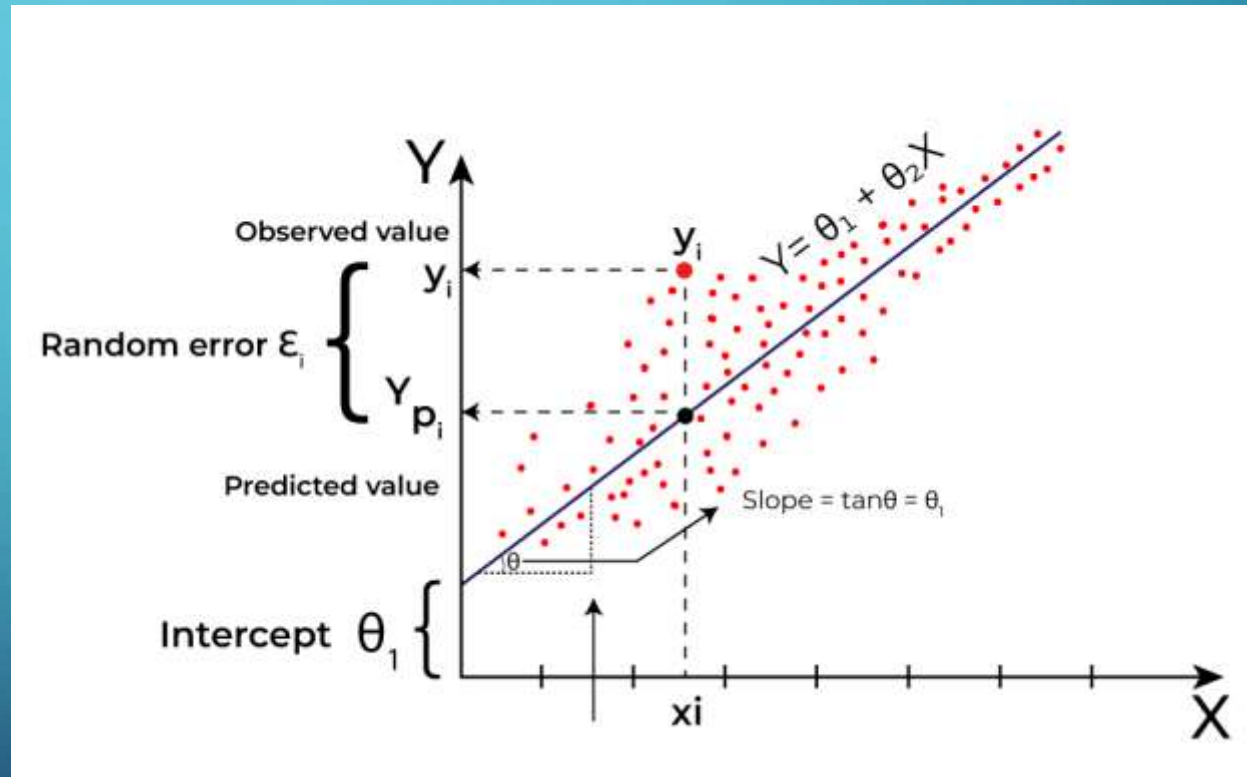


What is Linear Regression?

Linear regression is a type of [supervised machine learning](#) algorithm that computes the linear relationship between the dependent variable and one or more independent features by fitting a linear equation to observed data.

Types of Linear Regression:

- **Simple Linear Regression:** Involves only one independent variable.
- **Multiple Linear Regression:** Involves two or more independent variables.



Most Popular Data Science Python Libraries for Machine and Deep Learning

 **matplotlib**

 **pandas**

 **Keras**

 **SciPy**

 **python**[™]

 **GENSIM**
topic modelling for humans

 **scikit
learn**

 **NumPy**

 **TensorFlow**

The background is a blue gradient. In the corners, there are white line art designs resembling circuit boards or neural networks, with lines and small circles connecting them.

THANK YOU...