SRMCEM LUCKNOW

PROJECT ON –PREDICTION OF SALARY USING MACHINE LEARNING

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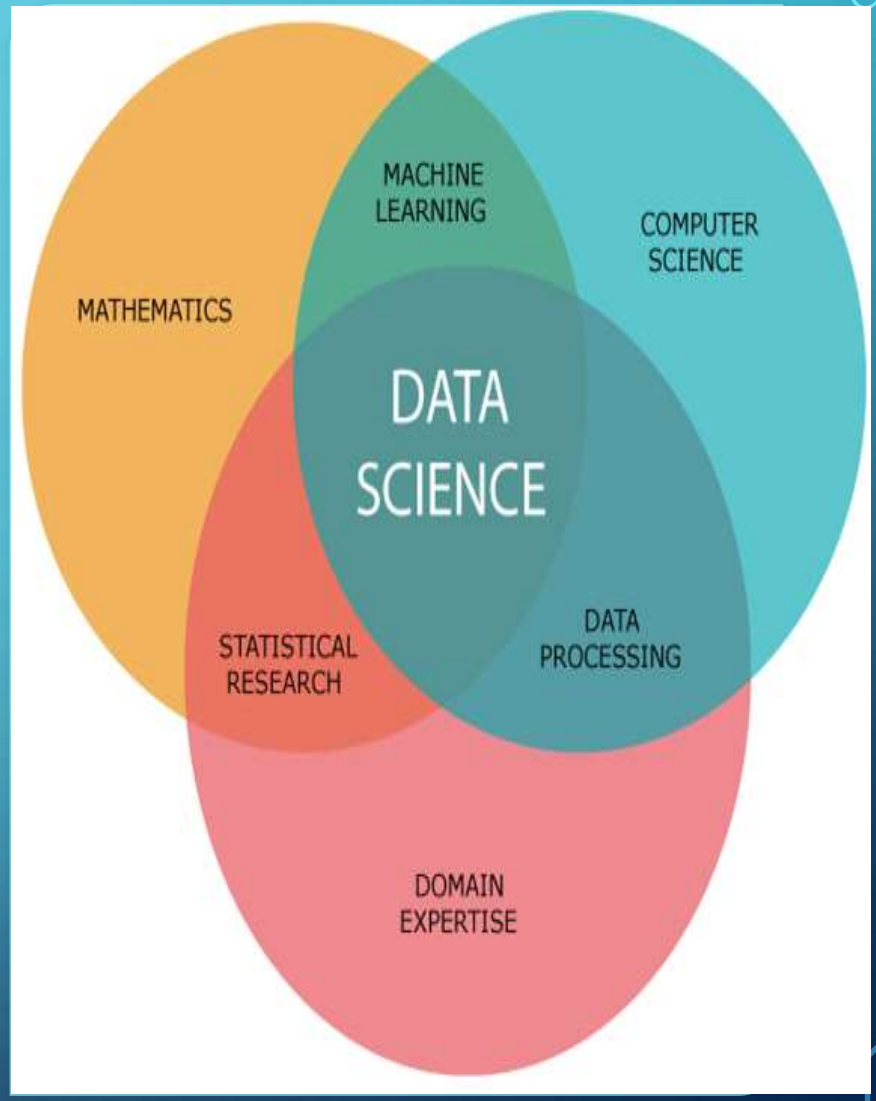
INTRODUCTION TO DATA SCIENCE

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

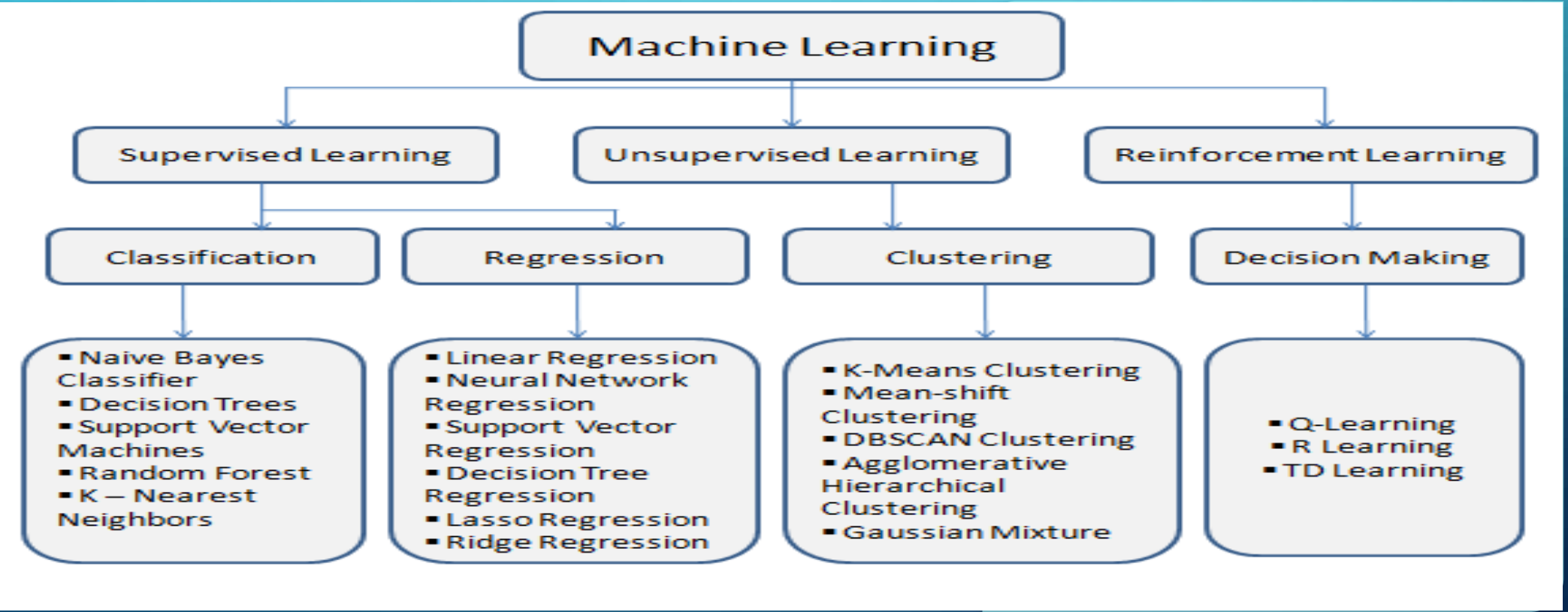
Steps in the Data Science Process:

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.

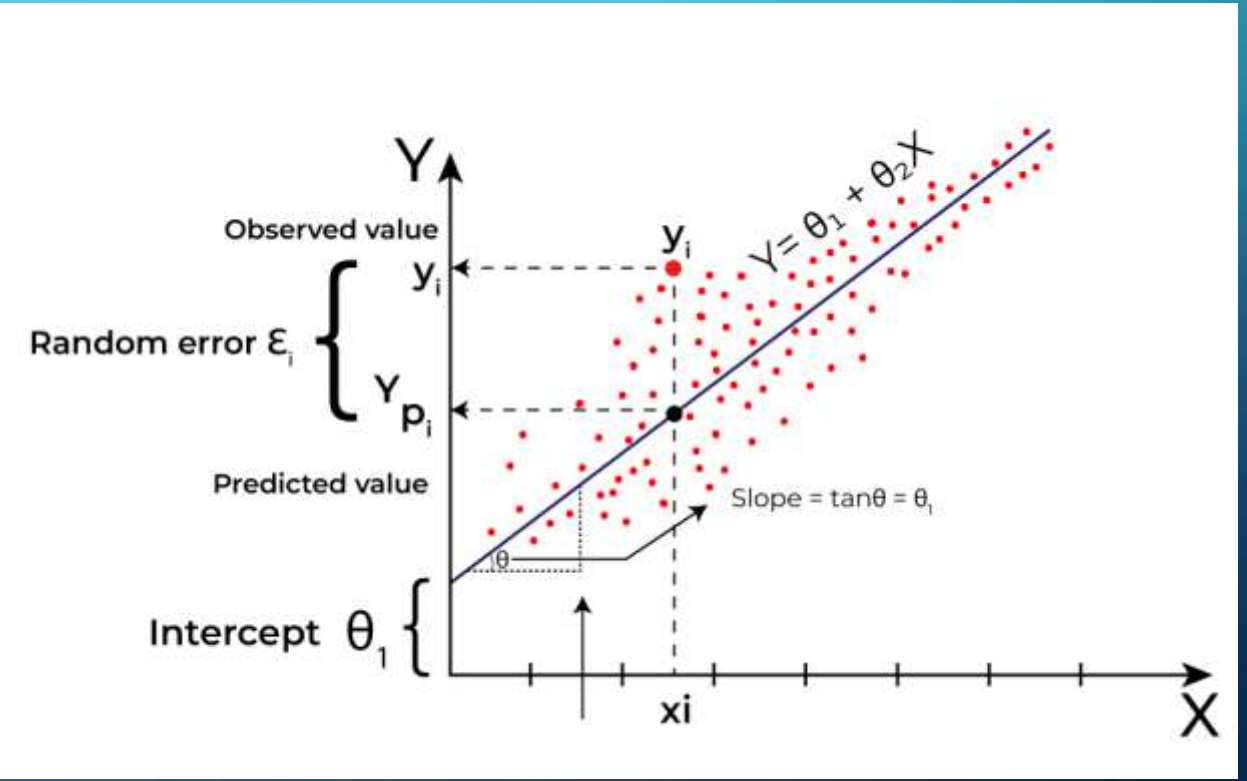


What is Linear Regression?

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

THANK YOU…