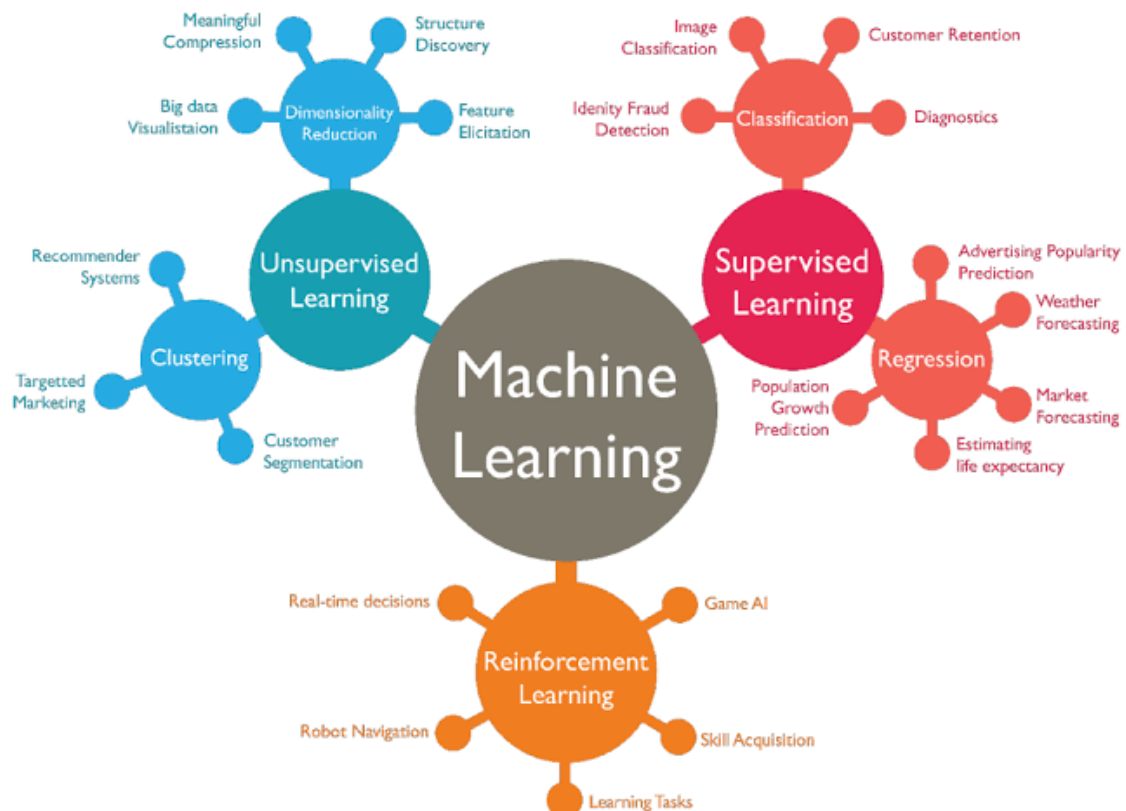


# AI/ML RoadMap

- 1) Basic Math (Algebra, Probability and Statistics)
- 2) Python for Data Science ([link](#))
  - the above link consists of python basics and basic libraries.
- 3) Probabilities and Statistics for Data Science ([link](#))
- 4) For more libraries ([link](#))
  - pandas, NumPy, matplotlib, SciPy, Scikit Learn, TensorFlow, PyTorch etc.
- 5) Types of Data in Python : Structure, Semi-Structure & Unstructured ([link](#))
- 6) Types of Learnings : Supervised, Unsupervised & Reinforcement Learning ([link](#))



([link](#))

## 7) Basic ML Models

- Perceptron ([link](#))
- Gradient Decent and cost functions ([link](#))
- Classification Models ([link](#))
- Linear Regression, Multi Linear Regression, Logistic, K-Means Clustering, Decision Tree, Random Forest, KNN Algorithm ([link](#)) start from 23:38 to 4:54:47.
- Dimensionality reduction: PCA and LDA ([link](#))
- Bagging and Boosting ([link](#))
- summary ([link](#))

Beginners Guide for ML by GeeksforGeeks ([link](#))

## 8) Basics of Deep Learning Models ([link](#))

## 9) Concepts of Deep Learning: Neural Networks, CNN and RNN ([link](#))

## 10) Generative AI ([link](#))

## 11) Agentic AI [Latest of 2025]