**Machine Learning:**

Machine Learning is an application and type of Artificial Intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed.

* **Supervised Learning:**
* **Unsupervised Learning:**
* **Reinforcement** **Learning:**

**Linear Regression:**

 Regression model that estimates the relationship between one independent variable and one dependent variable using a straight line.

We check the relationship between independent and dependent variable.

**Logistic Regression:**

It is used to classification and prediction problems. There are three main types of logistic regression: binary, multinomial and ordinal.

**Decision Tree:**

the most powerful and popular tool for classification and prediction. A Decision tree is a flowchart-like tree structure.

**Random Forest:**

More than two decision tree make one is called Random Forest in my words.