

Project Design Phase-II

Functional Requirements:

Date	13/10/2022
Team ID	PNT2022TMID15702
Project Name	Analytics For Hospitals' Health-Care Data

Languages and Packages



Python



Numpy

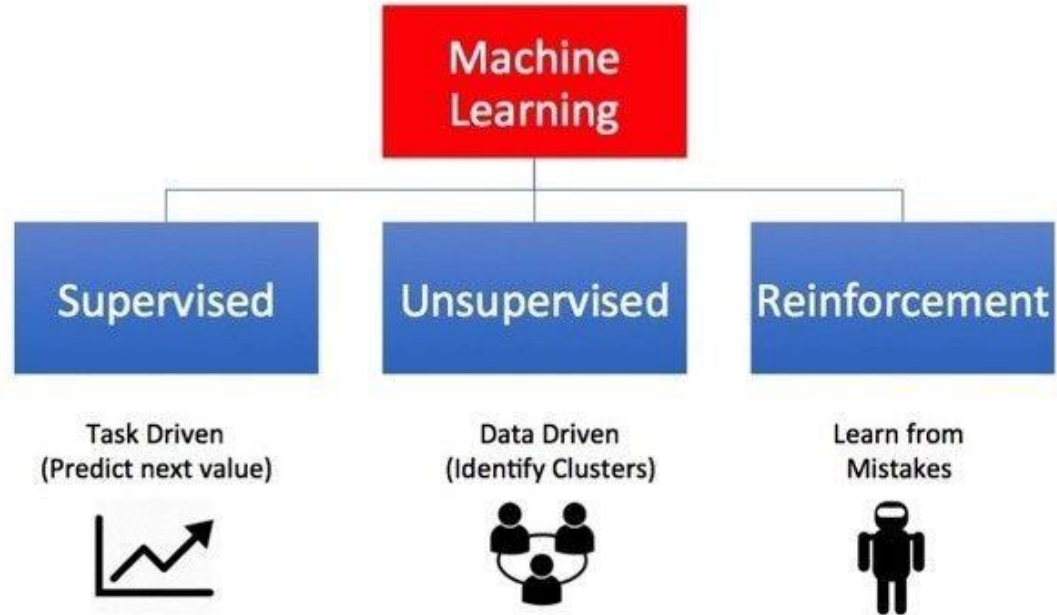


Matplotlib



Scikit learn

Types of Machine Learning



Supervised Learning algorithms

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graph TD; A[Supervised Learning algorithms] --> B[Classification algorithm]; A --> C[Regression algorithms]; B -.-> D((Neural Networks)); B -.-> E((SVM)); B -.-> F((KNN)); B -.-> G((Decision Tree)); B -.-> H((Naive Bayes)); B -.-> I((Logistic Regression)); C -.-> J((Linear Regression)); C -.-> K((multi Linear Regression)); C -.-> L((Polynomial Regression));
```

Classification algorithm

Neural
Networks

SVM

KNN

Decision
Tree

Naive
Bayes

Logistic
Regression

Regression algorithms

Linear
Regression

multi
Linear
Regression

Polynomial
Regression

Unsupervised Learning

```
graph TD; A[Unsupervised Learning] --> B(Clustering); A --> C(Association);
```

Clustering

Association