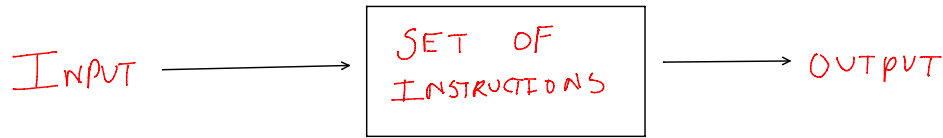
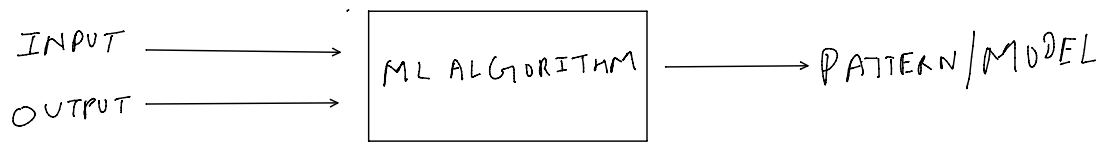


* Finding patterns from data.

* PROGRAMMING APPROACH:-



* MACHINE LEARNING APPROACH:-



* TYPES OF ML :-

- 1> SUPERVISED LEARNING : LABELLED DATA
- 2> UNSUPERVISED LEARNING : UNLABELLED DATA
- 3> REINFORCEMENT LEARNING : REWARD BASED LEARNING

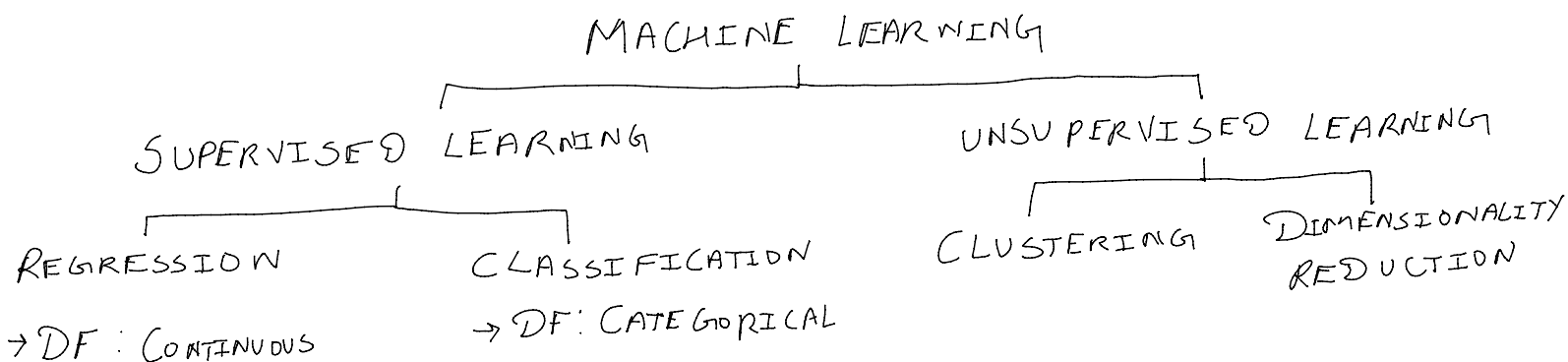
* LABELLED DATA

* STRUCTURED DATA

* UNSTRUCTURED DATA

* INDEPENDENT FEATURE (PREDICTOR)

* DEPENDENT FEATURE (TARGET)



NUMERICAL

Supervised Learning:

- Simple Linear Regression
- Multiple Regression
- Polynomial Regression
- Regularized Regression Models :
 - Ridge
 - Lasso
 - ElasticNet
- Logistic Regression
- KNearest Neighbors
- Decision Trees
- Ensemble Methods:
 - Homogenous
 - Bagging:
 - ◆ Random Forests
 - Boosting:
 - ◆ XGBoost
 - ◆ LightGBM
 - ◆ AdaBoost
 - Heterogenous
 - Stacking
- Naïve Bayes'
- Support Vector Machines

Unsupervised Learning:

- Clustering
 - Kmeans Clustering