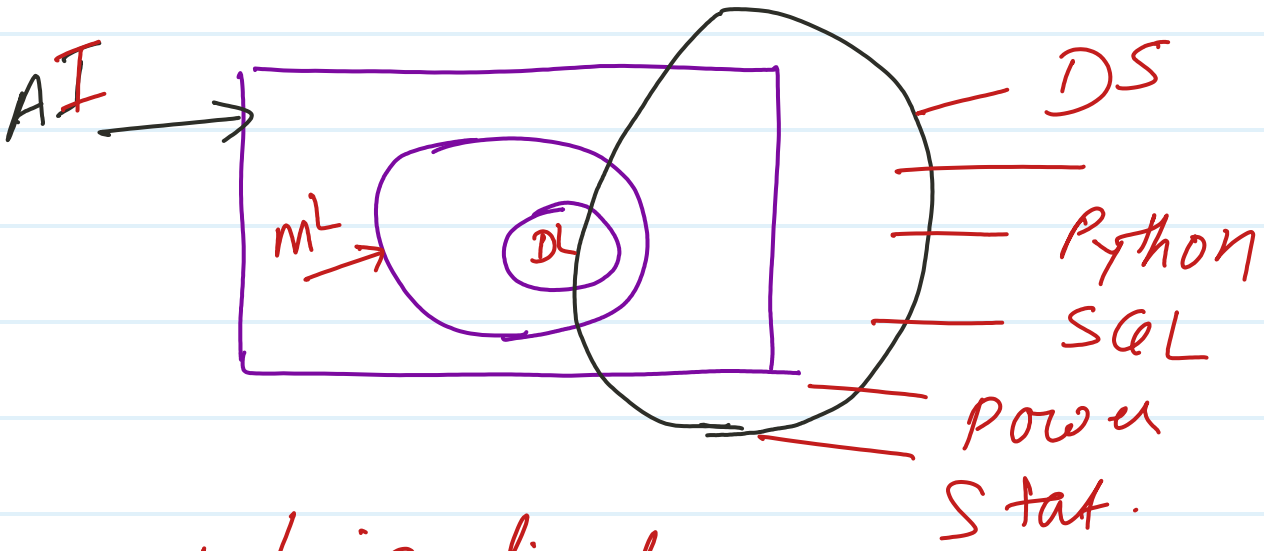
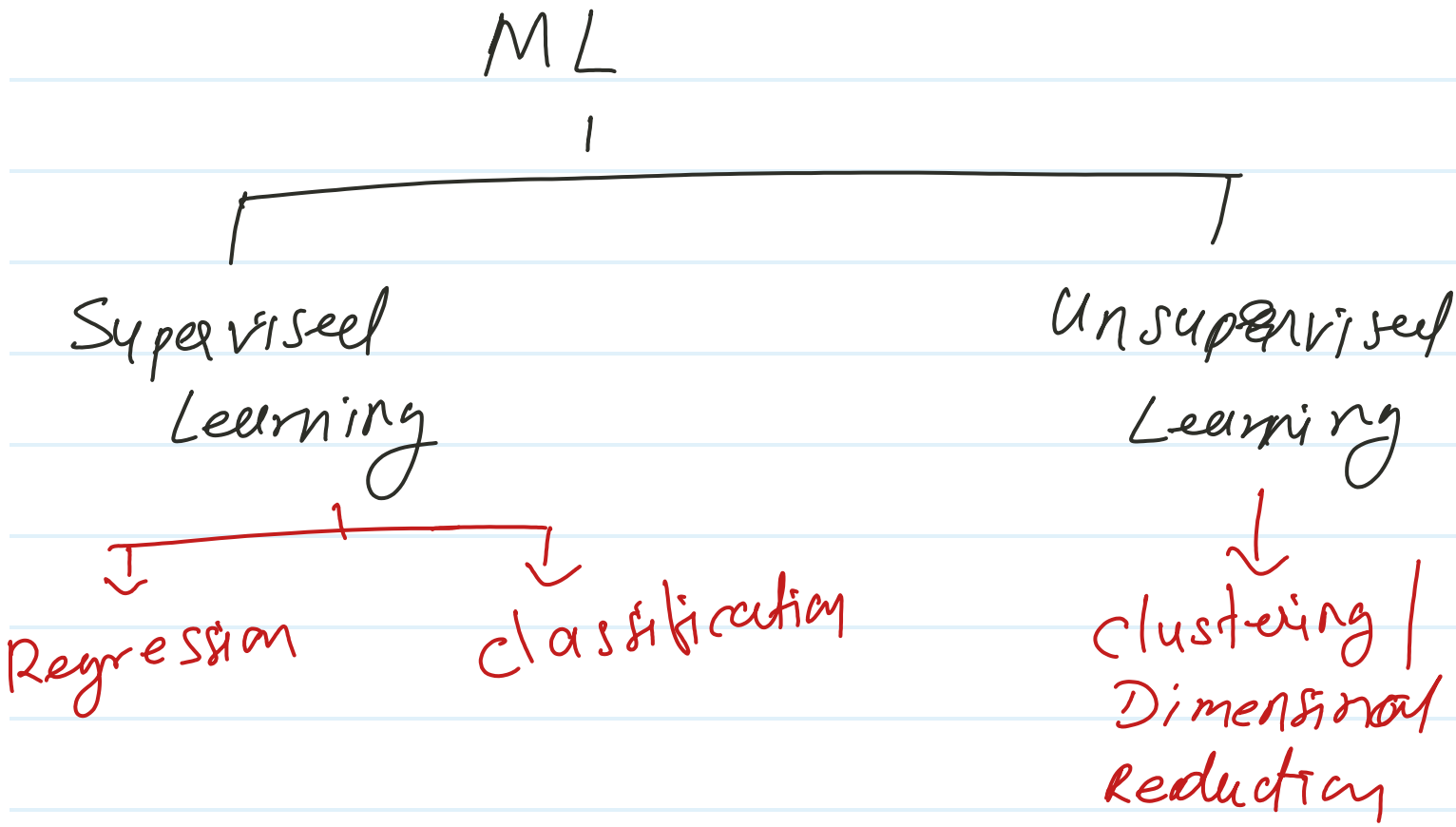
# Machine learning

## Stats




## ML / visualization

1. Reccomondation Application
2. AI / self driving
3. price
4. prediction / forecasting




## Regression -

1. Linear Regression
2. Lasso
3. Ridge
4. Elasticnet
5. Decision Tree
6. Random forest
7. Adaboost
8. Gradient boost
9. XGBoost
10. KNN
11. Support vector Regression
12. polynomial Regn.

# classification

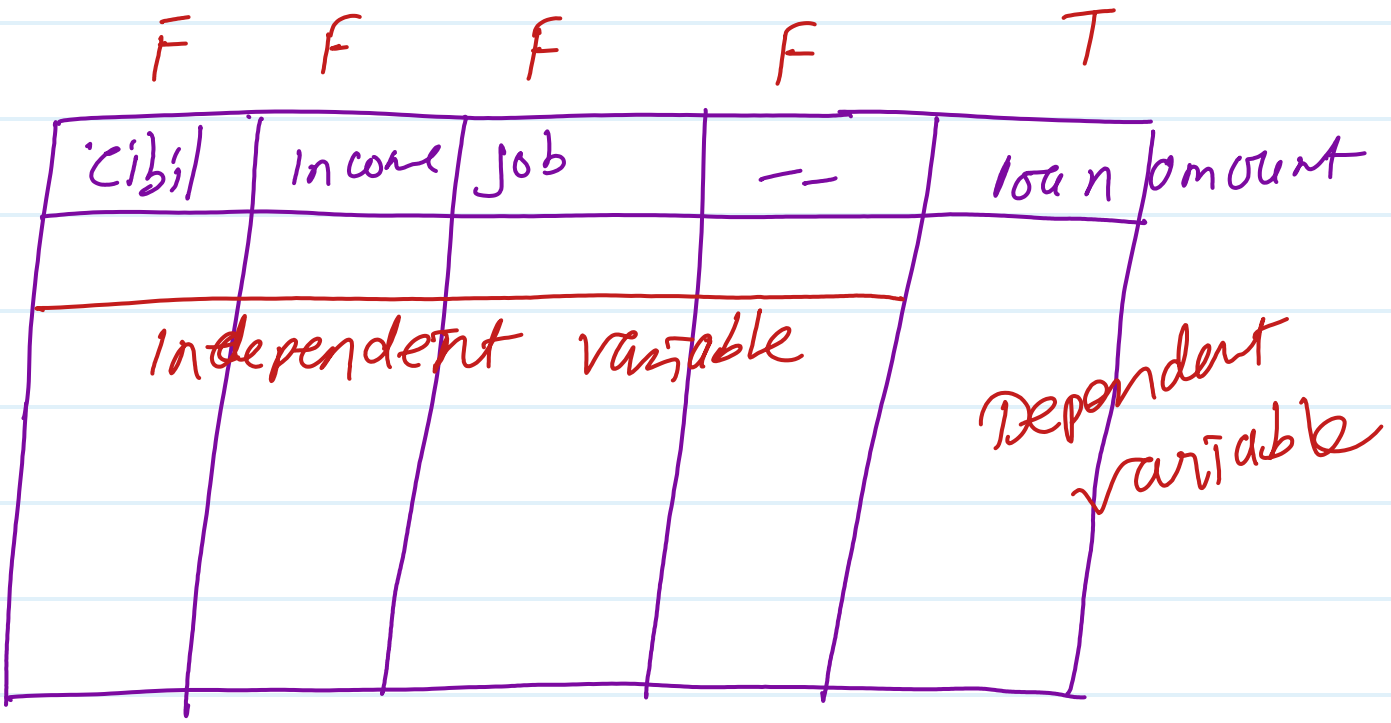
1. logistic Regression
2. SVM (SVC)
3. D.T. class.
4. Random foreste class
5. Ada boost
6. Gradient boost
7. xG Boost
8. kNN
9. alaive bias

# Clustering

1. DB scan
2. k-mean and k-mean ++
3. Hirerchical
4. PCA

# ✡ Regression

① Lable data
② Target variable continous



# classification —

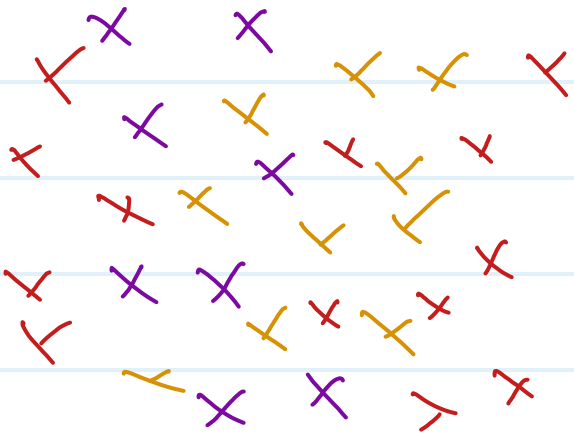
① Lable data

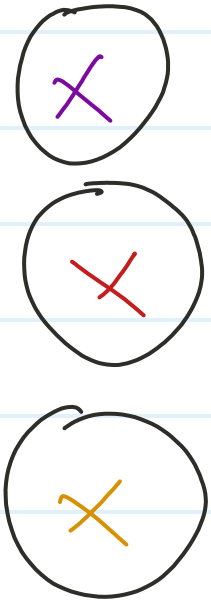
② Target variable will be categorical

P/F / T/F / Y/N

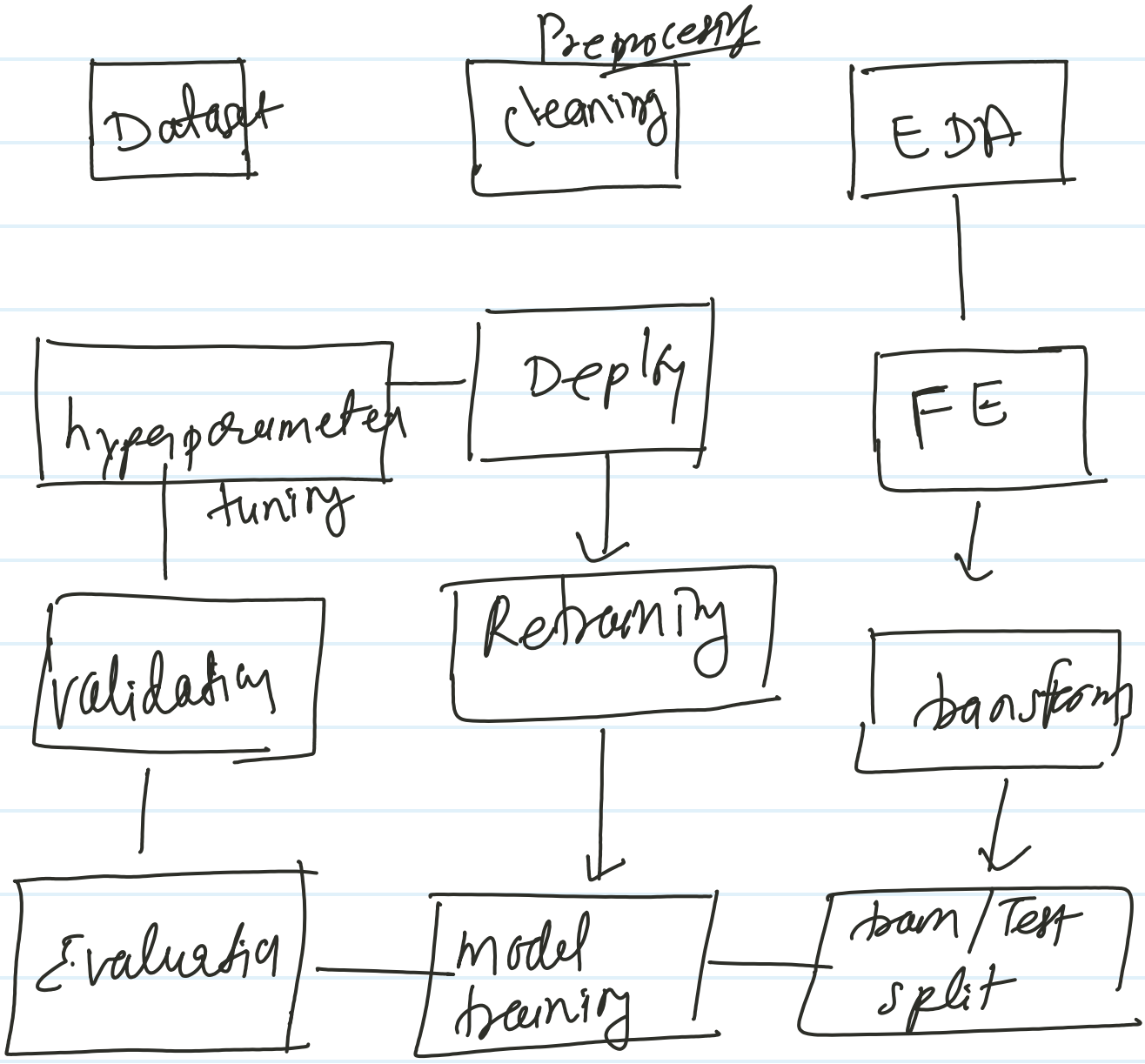
A/B/C/D

# clustering





# Process


Dataset
Preprocessing
cleaning
EDA
hyperparameter tuning
Deploy
FE
Validation
Retraining
transform
Evaluation
model training
train/Test split