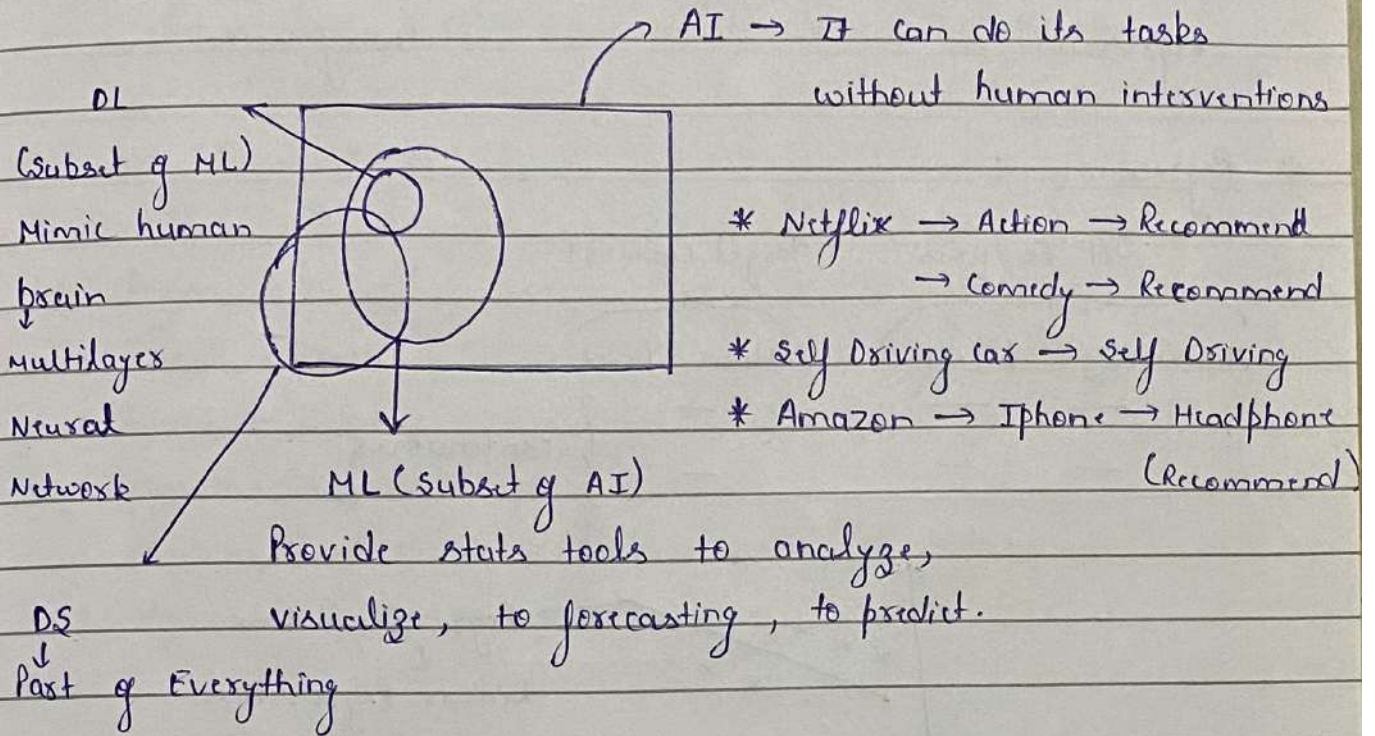


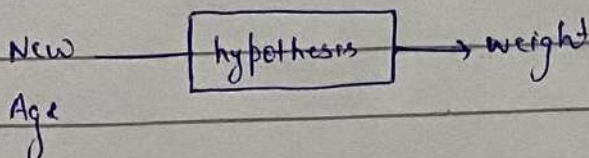
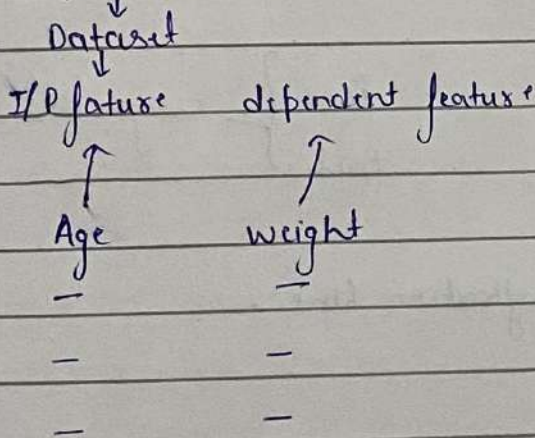
Introduction to Machine Learning

→ AI vs ML vs DL vs DS

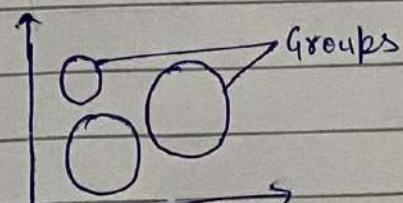
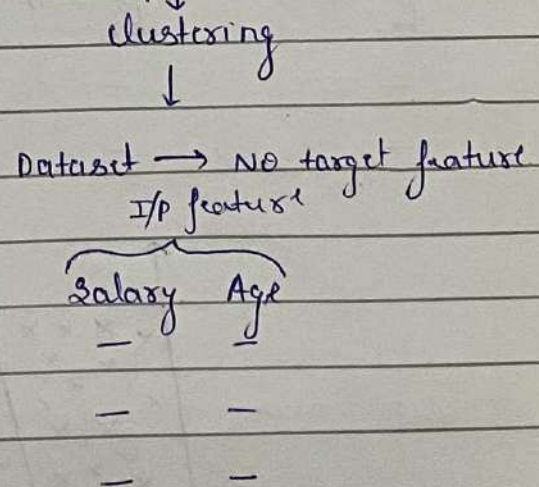


Machine Learning & Deep Learning

Supervised ML



unsupervised ML



Supervised ML

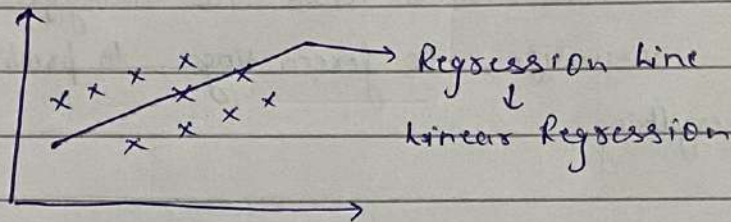
Regression

Classification

* Regression :

I/P Features		Target Feature
House Size	Location	House Price
—	—	—
—	—	—

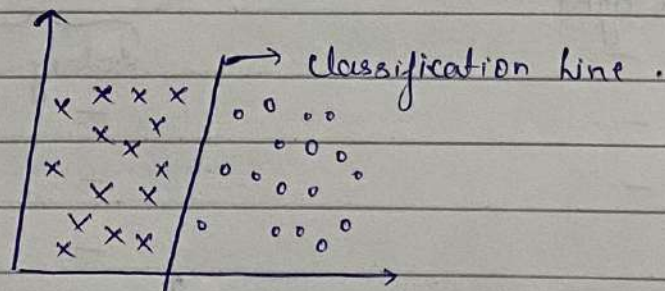
} continuous



* Classification :

I/P Features			Target Feature
# of study hrs.	# of play hrs.	# of sleep hrs.	Pass/Fail
—	—	—	Pass
—	—	—	Fail

} Categorical



Note: Target feature is categorical in nature. If only two distinct values in target feature, then it is binary classification otherwise multi-class classification.

* ML Algorithms :

→ Regression

- Linear Regression
- Lasso & Ridge
- Decision Tree Regression
- Random Forest Regression
- Xgboost Regression

→ classification

- Logistic Regression

→ classifiers