80% 81%
Feb 1 Feb 2 .... Feb 13

⇒ Data Preprocessing: H ⇒

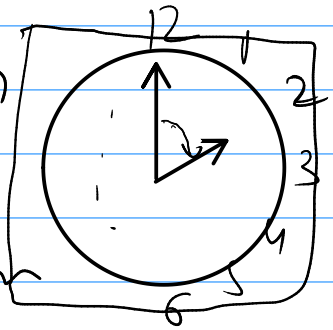
⇒ Weather Prediction.
⇒ Temperature prediction } Regression Problem.

⇒ Stock price / Algo trading } Backtest

Reliance : 2019 ⇒ 400 - 500 Buy - Sell
2021 ⇒ ≈ 1990 intraday

⇒ Male / Female Differentiate swing trading

Classification.
Convolutional Neural Network
↓ → 0
→ 6
2 - class Problem



⇒ Feature Engineering : Preprocess

Height	Weight	Labels
1.7	65	0 Male
1.8	55	0 Male
1.6	50	1 Female

F1 F2 F3 mean = 0
SD = 1

X -= X.mean()
X /= X.std()

⇒ Gather Some Data ⇒ Convert data into tensors

Standard Scalar()

Training Set ✓ — Testing Set ✓

⇒ Optimisation ✓ — Generalisation ✓ — Vectorisation

F1 (0-1) — F2 (0-1) — F3 (0-1)

Homogeneous

Boston Housing

0-1 — 10-90 — 50-80

⇒ Optimisation will not happen properly.

⇒ Data Representativeness :- Hand written digits

Data → labels

(1) 0
(2) 0
(3) 0
(4)

Shuffle

0-7

Mango
Apple
Bananas ?
8-9

training & Testing

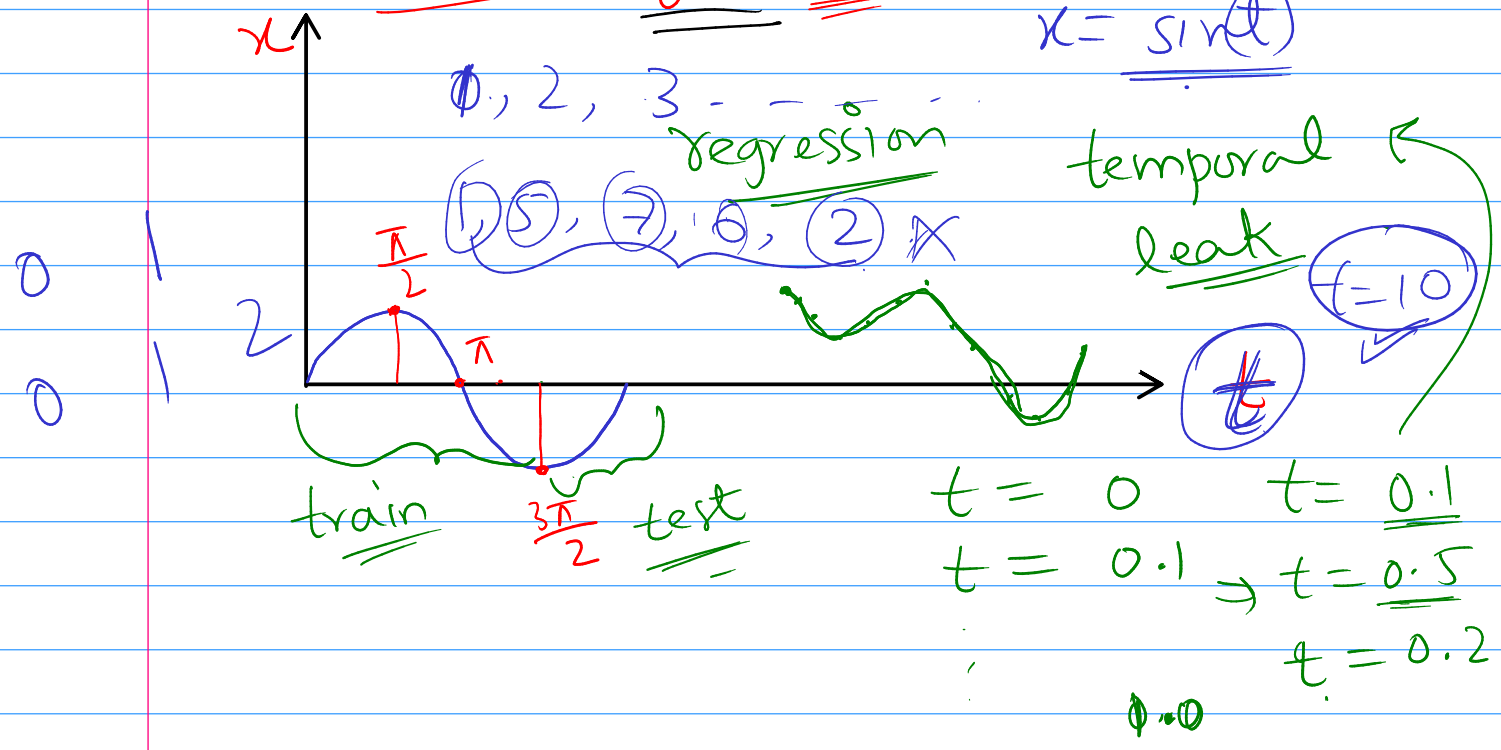
80% — 20%

Will it have Good testing data accuracy?

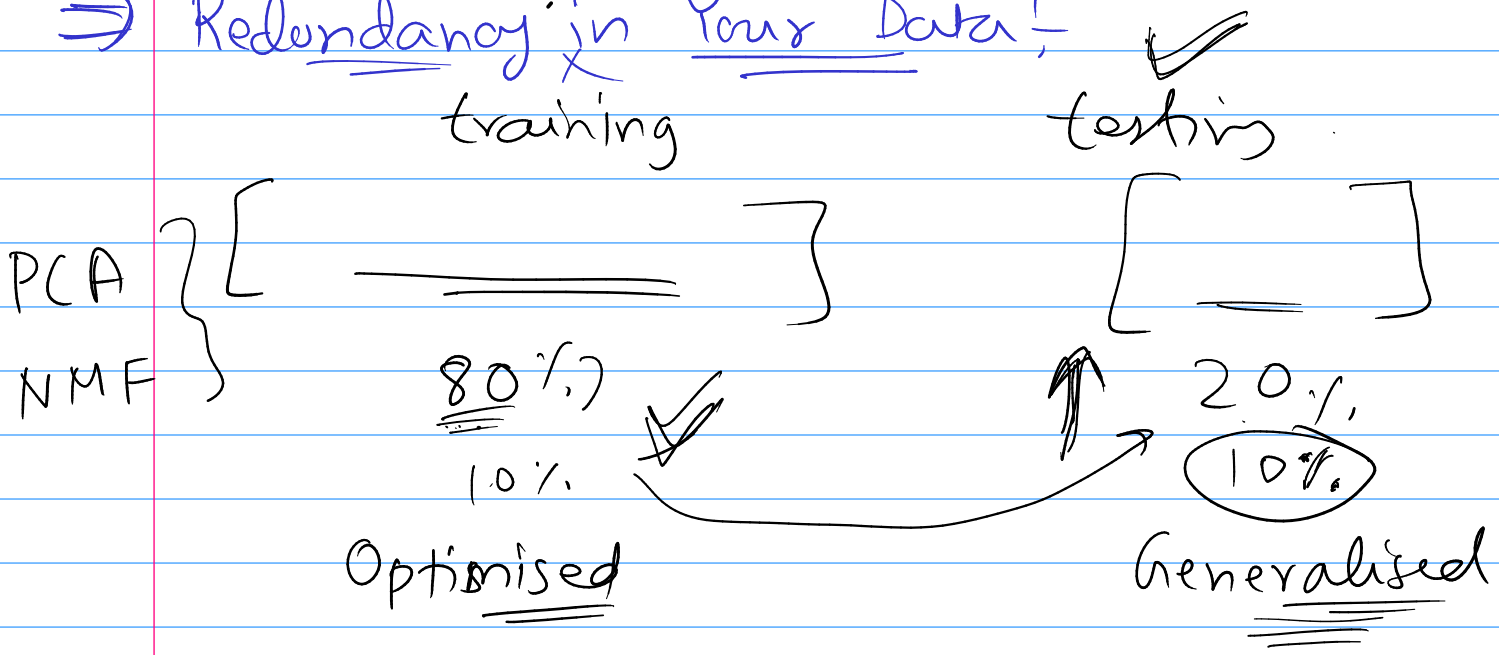
NO!!!

⇒ GPT3 ⇒ Header , Images ✓

⇒ The Directia of time :



⇒ Redundancy in Your Data :



⇒ Missing Feature Values ≠ Not a Number

MFV = ⊗ ⇒ pass "NAN"

F1 F2 F3

80% training (No missing Value)

20% testing (Couple of MV)

Machine Learning ✓

X

Deep Learning

X