(Python) & desc, Infer

* central, chi-square

& Z, t, ANOVA

* hypo, correlation

> sampling.

January - 03 - 2024

Sal:

> Joins - left, right, Inner, rel

> Sub query

-> procedures, views

- trigger, trans

(x) -> Windows function

Power B?

-> data onlording

> Data preprocessy

-> charty, buttons,

> detametry, DA

WL:

Regression - linear regression, Randomforest regressor classification - tree Based, Distance Based, Boosting, Probabilistic clusturing - hire, K-means / PCA → AI, ML, DL, DS

AI - Science that enabler machine to minic human ML - Art to acheive AI by algo that are trained with data. DL - Type of ML that is inspired by human brain. weight height length length

Architecture of Algo Machine learning: & solecting relevent columns feauture

extraction

model

performance

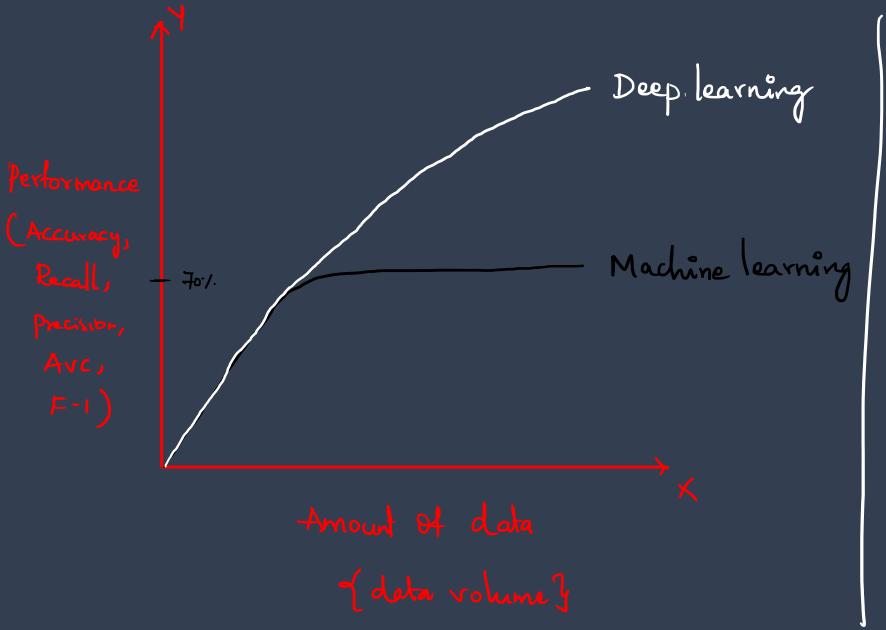
metrica (tabular) Deep learning: tabeler, 9mage,)
video, audio,
pdf, text, doc... (Black box)

Road Map - Deep learning.

loss function, Gradient Descent, SGD, J Adagrad, Adam > Neural Network, Recurrent 7 Neuval Network (RNN) (CNW) (ANN)

ANN -> Tabular data (Regression, danification, clusturing) CNN -> image, (video -> frames of images.) image -> pixels * Image clavification. (male/female, cet/Dog) * object detection. (people, animal) (rectors) * facial Recognition. (Suresh, santoch, Arya) number * regnentation, object tracking. RNN: > text (doc, pdf, txt, csv, xlsx), time-series * NLP (returned language processing)

> sentiment Analysis. -> text summary > GPT-1, GPT-2, GPT-3, BARD -> savacsm detection.



Reason for DL:

> Exponential growth
in Data

> technology upgrade

GiPU > Terla T4

40-hours: (20-clares)

=> 20-hours (10-classes) -> ANN, CNN (upto 24 hours)

=> 20-hours (lo-claver) -> NLP (min 16 hours)

homework

who is Geoffey Hanton? What & his contribution to Artificial Intelligence?