03 Sept 2022

Term 4 -ML April 2022

-Data is the new oil.

- ML is a powerful concept & framework for making

- Age of Information or

Age of Lata.

eg: Google knows everything about my location.

(Mumbai & N. Mumbai)

Information

Darshan + 49 more ppl

 $\begin{array}{c}
A & \longrightarrow B \\
8an & 4pn
\end{array}$

Car Bus Service V convenient Leary AC Cuaranteed Sout P 2P Home - Destan Time Coru. 15min \$ 2950 - pm 10 000 -120000 rs month Driving - Tired & fatigue A No Driving Home - Frah Shep, Meetings, Notflix

Who is most intelligent lifeform on the planet at the mannert? Human.

-m/c: To mk data driver decisions at a scale.

your forend (10yrs) Will you lend 1 10000 mg? 16423 (100 interaction) past expainint cxcel , 80 yes / : Money lended -20 NO 10 interaction Human NO : morey lended.

Traditional Programming Paradigum HDFC Welste Infosys Task' Add two nos DeterministicT Data 2,3 > Outport Program (Developer) ٠٠ ML Paradign Programina QB Test Q Data Program (model) COMP Output 4) (mp Pred us Actual -> Rate Rest. predict A AB understand relationship 6/w QB AB 200 Study Brain 80 Predicted 100 100

Compare Actual & Predicted
answers & rate the performance of a student.

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Dependent Independent Variables (1 or more)

O Price N Brand + Engine Power+ Mileage + Transmission Type
of car + Color + Variant + Fuel Type+ Body Type + ABS +

EBD+ ADAS + HP+ Torque

@ Price of N Brand + RAM + Storage + Battery + Screen Size+
Mobile Camera + OS + SGHG + OLED | AMOLED + Promss and

3 Apple vs ~ Color + Tarte + Shape + Texture + Natritian Value
Orange + Calorie Value + Price
Classification

(f) Iris (Setosa N Sepal Length + Sepal Width+ PetalLength
vs Versicolar + Petalwidth
vs Virginia)

https://miro.medium.com/max/ 1000/1*IFC_U5j_Y8IXF4Ga87KNVg.png

https://miro.medium.com/max/638/0*2c7voFri9cIXGrc4

ML Problems (lassification Regression Multi-class (mare 1 2) Binary (2) eg: Ivis Dataset eg: Apple us Orange eg. Apple us Ovange vs Mango vs Grapes eg' Malevs Femall eg. Span vs

Supervised ML Unsupervised ML (no supervisor) (supervisor is present) Unlabelled Data Labelled Data To find 4 Kegression Classification (Continually) (Categorial y) Binary Muthiclass https://www.aplustopper.com/wp-content/uploads/2017/05/ Correlation-1.jpg Take Home Task' Difference blw Poarsons, Speanner Rank & Kendal's Correlation Coefficient + Applications

https://www.mathsisfun.com/data/correlation.html

