Machine learning Agenda 1) Machine learning Introduction 2) AI Ve ML US DL VS 11 DS 3) Simple Linear Regression -> Mathematics A O AI W ML W DL WDS WITH . AI - [Netflix] - Recommendation System # Artificial Intelligence—is a Creation of application where it performs all its task without any human intervention. like - chatbox, Self driving lare, Alexa HML- It provides state tools to analyze, usualyze, beryoom prediction and other task with the help of data.

ML is a Subset of AI.

Simple Lineau Regression

It has - 4

Dindependent Resture & Dependent Feature En- Alm - to create a model where Infut is -> Height I have to product > weight Ex- Model - year of Expl Salony.
Predict - Salony based on IIP year. Porditted I Real data différence Should be Minimal. Salay

Slope of the Best of the which will

Salay

So that then bothed has

Interrupts

Therebes

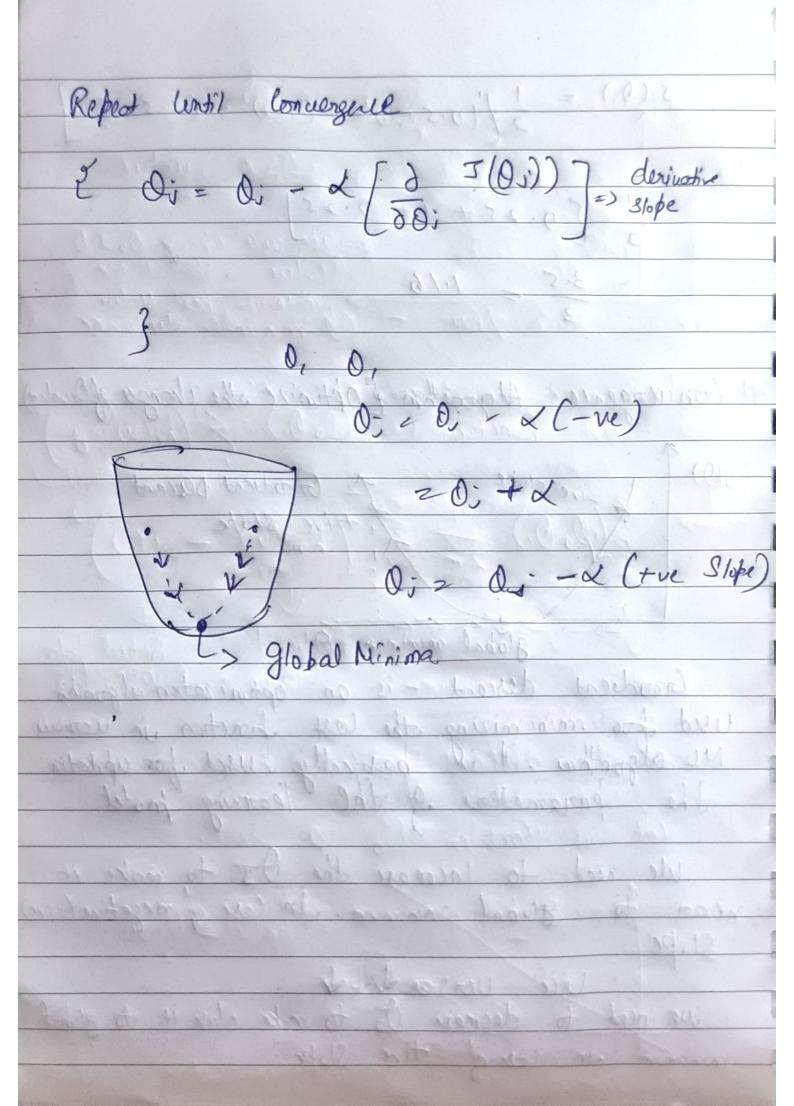
Took of the best of the distance. Equation of Stroight like = 4 = mx+C, I ho (w) = Oo + O. n Intercepts slope

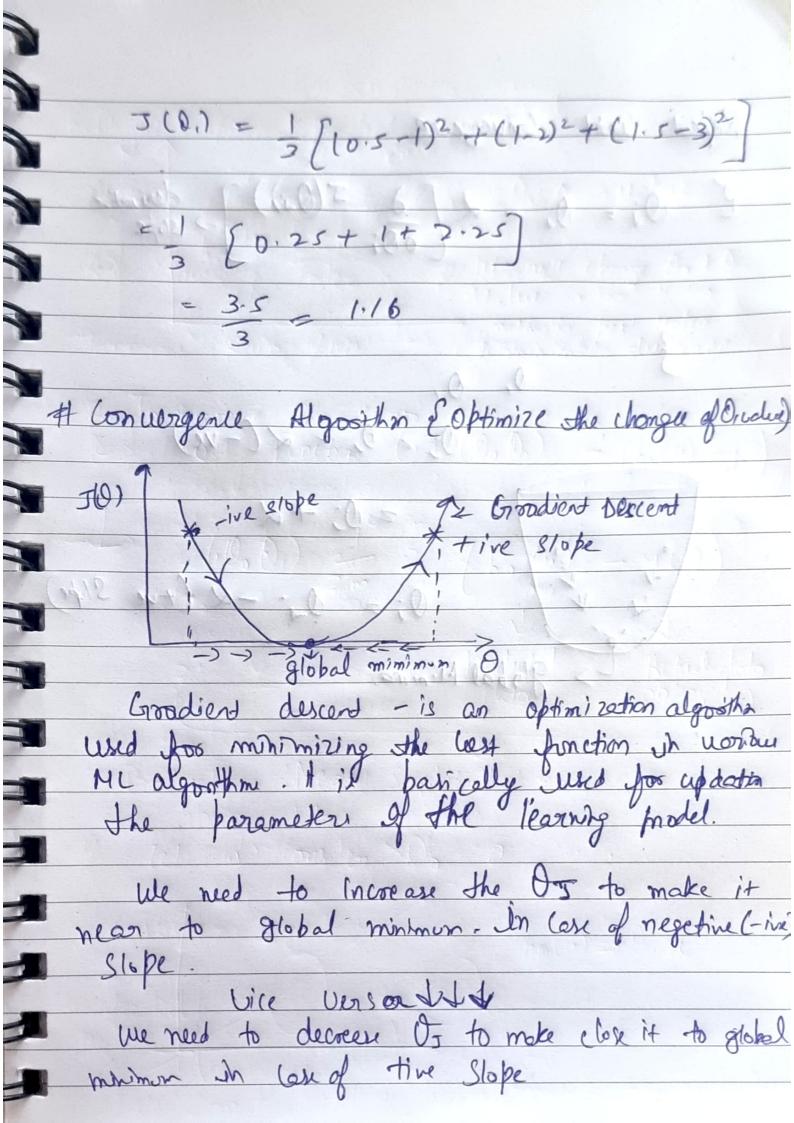
flight price production - Regression Algerian Forest -> Classification Art Quality Index - Regovernon Tommorow Ran (No+ -) Classification. Buy Day of the person - clasefication => Age Salony Spending - Score (1-10) 24 70K 26 look Product discount cel Westion can be done aboue data.

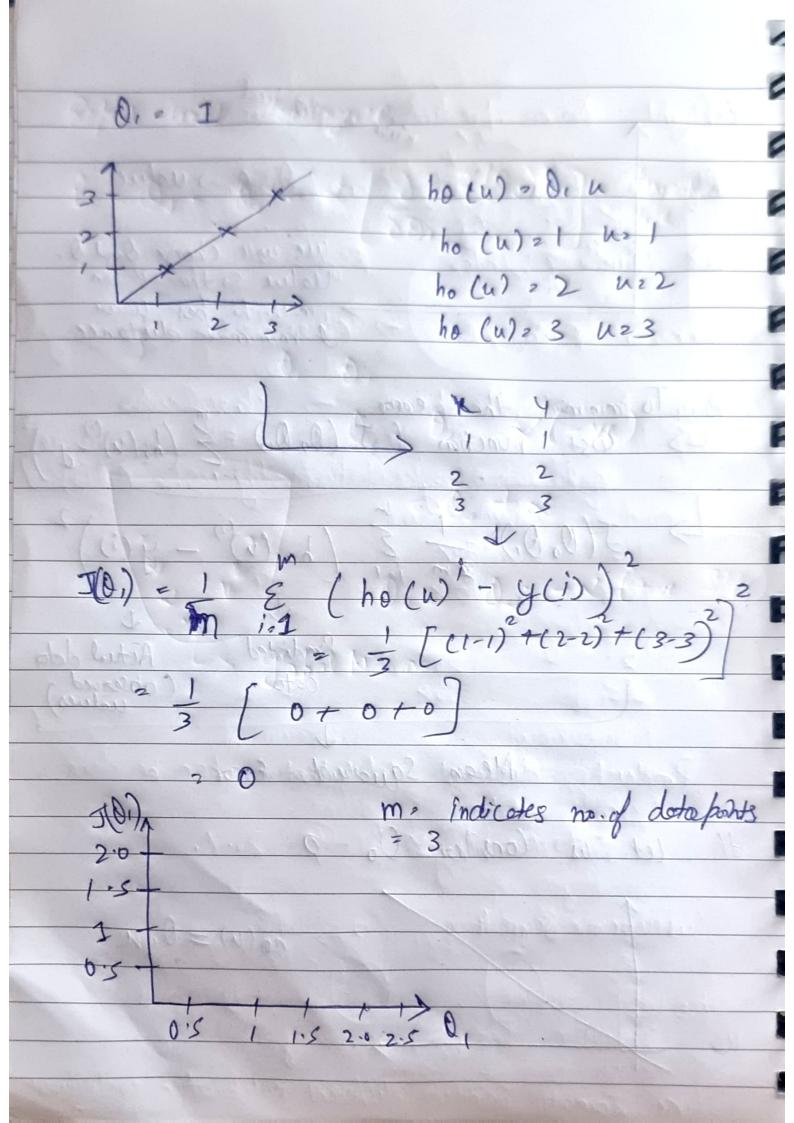
10.1. / X.1. , 20.1. Custamon Segrethon solary like Zomato Sending different notification tod

Reported toletteene Unsupervised Chusturing Algorithms DBScan K-Maans Hierarchical Spectral # Superwised Degree Experience Tsalony Sok Kill and and Phd 27r B. tech 4 yr 70 K Regorseron 66 K Continuous when ever it is continues We not what date we need depending upon Degoes & Experiente No. of play No. of Study Pass /fai).

Artificial Intelligence - Machine leaving Deep learning (Subset of Data Svence - Eurything is involved. Deep learning - In 1950's Scientist were topy to make a make which do not need human shterwention. # ML & DL unsuperwised Suppowised Classification Regocision Linear Regockson ) Logistic Regorism Polynomial Devision toca SUR (4) Random fort pe is is tree Random Forest X9 boost







+ / Error ox Rosadural 0, 0, -> value We will change oo 10. Malue So How H Con matelithe best telue I minimal distance. To minimize the coros 6st Function (J (0,0)) = = (h.(u)) - y(i) - E /ho (u5" - y (i)) Actual data data (Observed Mean Squared Error Consider O = 0 => ho(u) = 0, K