- 1) Questian -> questian tab 2) Repent in the chut. 3) TAW -> Calling
- 4) Slack, what app (8240991339), titas. de - 1@ scaler. com

## Policy

- 1) Attendance (Live + Recorded) > 90%
- 2) HW & Assignments > 75%
- 3) Participation in Drizzer & Polh 295%

MLI S MZ 2 2 transition

2 months

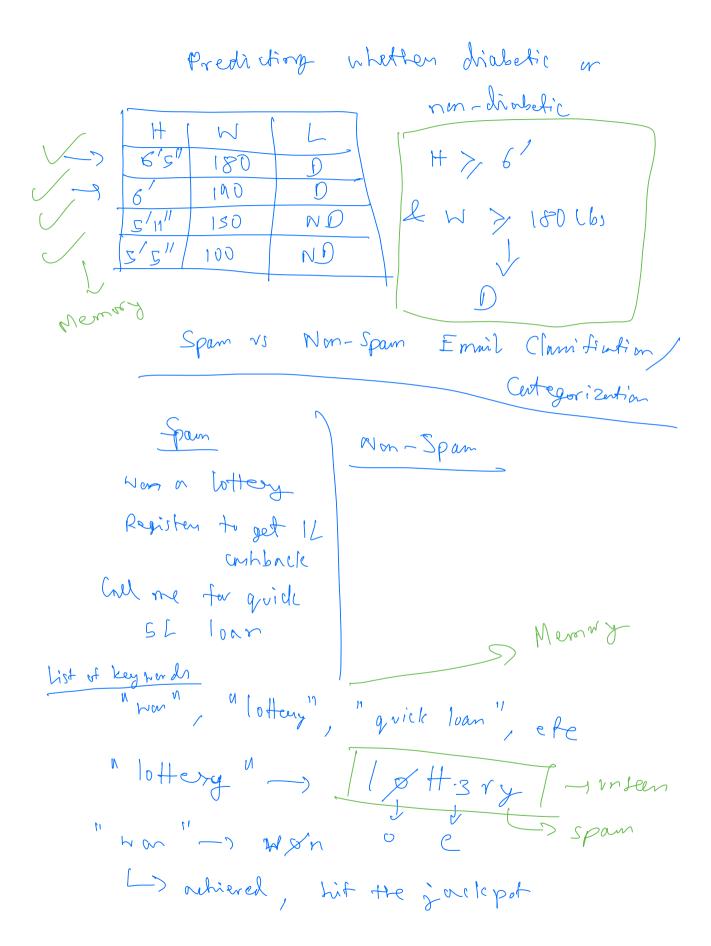
2 months

1 months

After 2 months

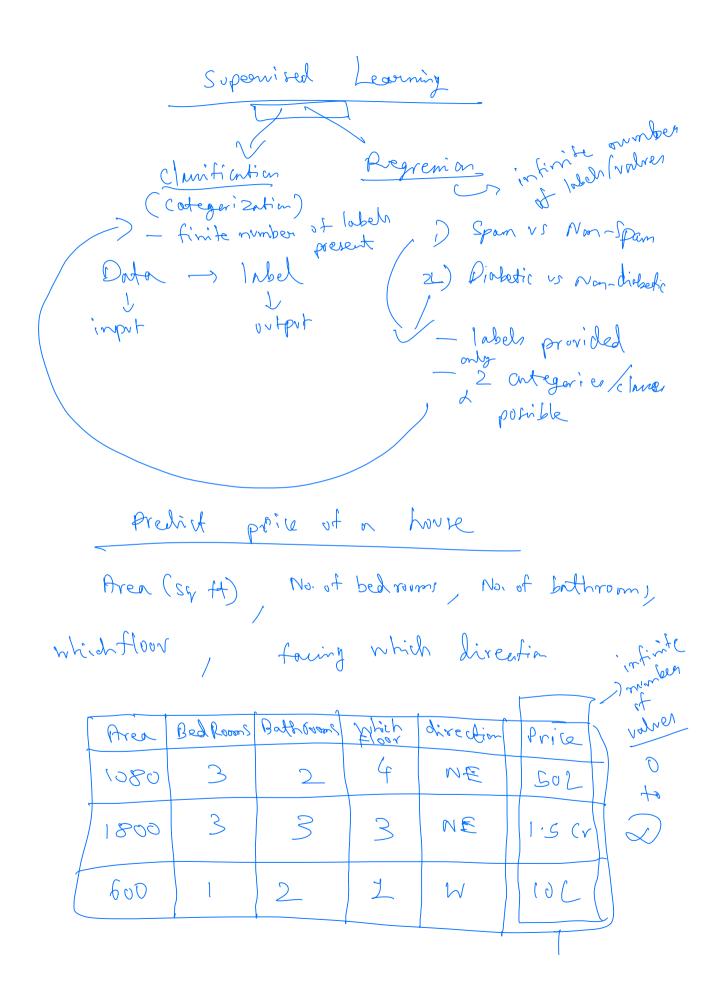
H genda
Summary - 1 learnt so for
Overview - 10,000 ft of ML is all about.
- ML? ML VS SDE
- ML Tanks
- Types of learning in ML
Application
EDA - Exploratory Pata Analysis (if time permits)
Alrendy Leaunt
1) Python, DSML libraries [MUST]
->(3) 2) Probability & Statistics
3) Co-ordinate Greometry. (Linear Algebra)
-324) Calarlys & Optimis ation.
IV > Numerical > histogram, KDE
1V > Numerical -> histogram, KDE  ) cutegorical -> bour, count plot, pie

num-num - ) scatter plot, live plut cat - cat -> stacked bour plot num - cut -> heat plat, chisterimas box plot, violin plat List of patients or predict is diabetic 2 Leight Leight -) lobel (categorical-s d'nd) input -> height & neight (features) -> output -> dabel (d/nd) in but W, H



Challenger: -> intimite læg mwds - infinite variation of known ML approach -> Subject, body understant pattern 10 Herry Same Cutegorization generalization [ ML System ] broadle set vf lottery pattern Good night 18 H 3ry And ng Tom M Mitchell -> Father of Machine I covering (T) Tonk -> Spans vs Non - Span (P) Performance - Accuracy - % of correct (E) Experience - ) Data which is given

It with more Experience,	you performance
	eet to Tark (7)
then your ML System	is actually
Levering (L)	
Performance Voyeer	data data
penf	wmance at unseen
1	/ duter
densin bound	duy & Meaning of Patterns
ML Tombo	Types at ML
- durification (Categorization	- supervised - W
- regren a	- Un supervited
- clustering	- Reinfor cement
- revommen dation	- Semi-supervised 7
- Foremains	- Wently specifed
	Research



50 L, 10 L, 1.5 Cr Reprenim 50, 10, 150 26.2 68.73 Continuous values rm - discrete fork Distrete example Continuous example Regression

Classification of (ip, op) poir ip f(x)

(ip), 5.5)

Seen duta
(ip), 6.4)

(ip), 6.4)

(ip), 6.4)

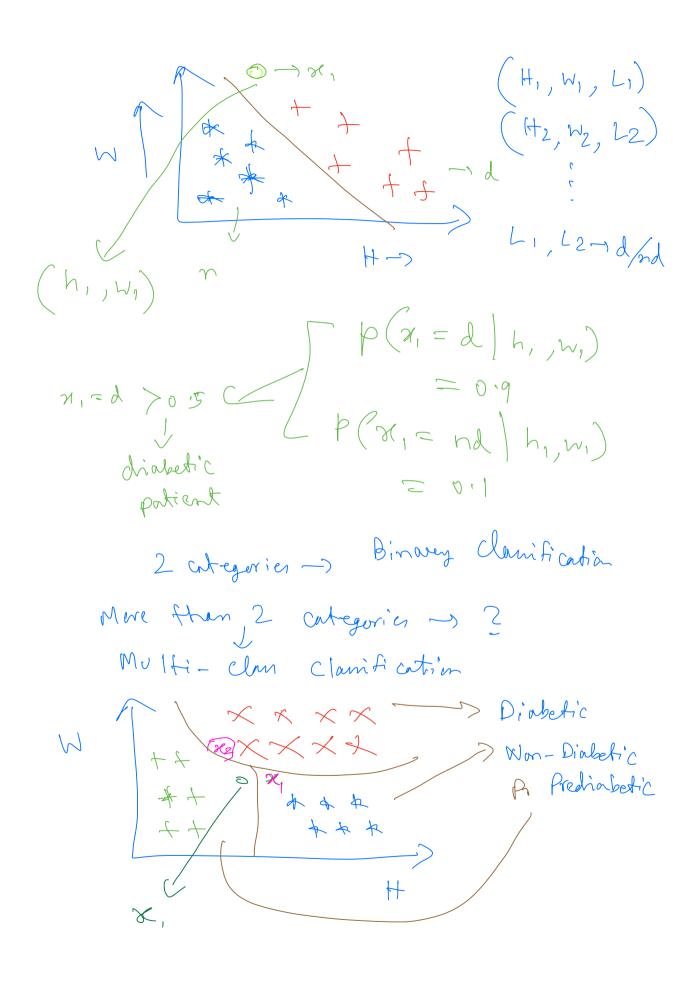
(ip), 6.4)

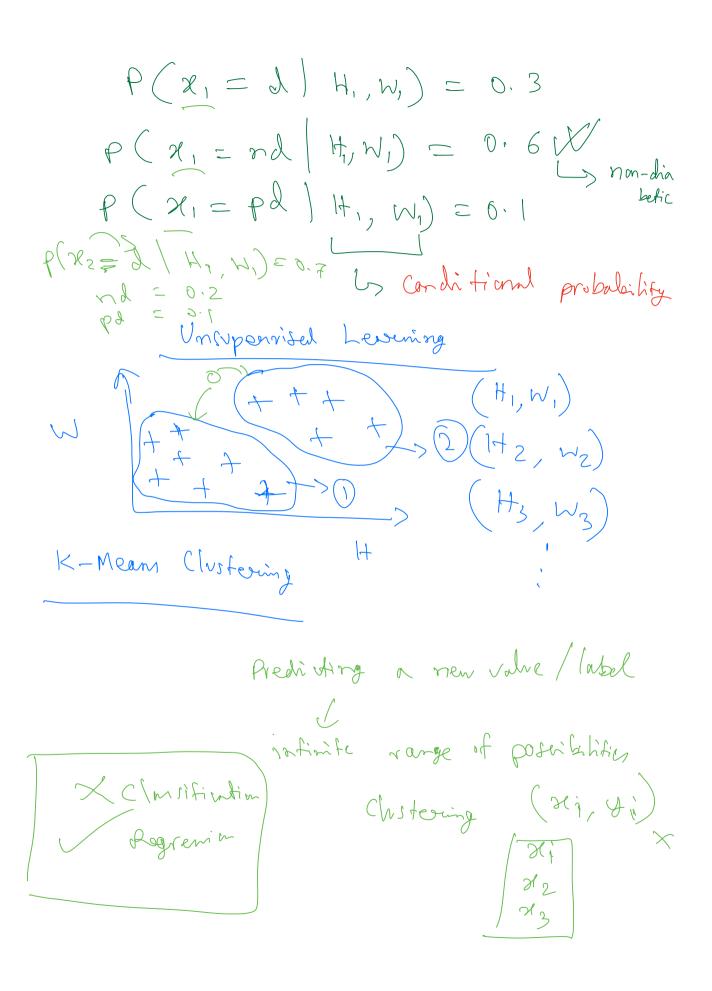
(ip), 6.4)

(ip), 8.5) ( ip4, 1.5) Clamfichian 2 Regression 2 10L, 15L, 28.3L, 34.7L, 122L, 105C,... 0-10L, 10L-20L, 202-30L, ... 140-150L 15 ranges 13 danser / Categorica Cloudination Diswell 1, 2, 3,

Rational Diswell E I, R

Tradianal N3





Janification Region Logistic Regresion Linear  $p(x) = \lambda$ L> -(m,H,+ m2W,+c)  $\mathcal{F}_i = m_1 H_1 + m_2 W_1 + C$