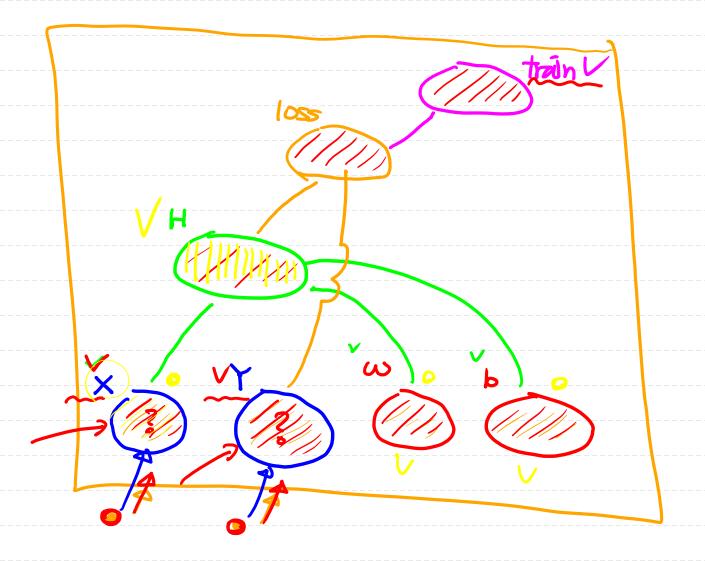
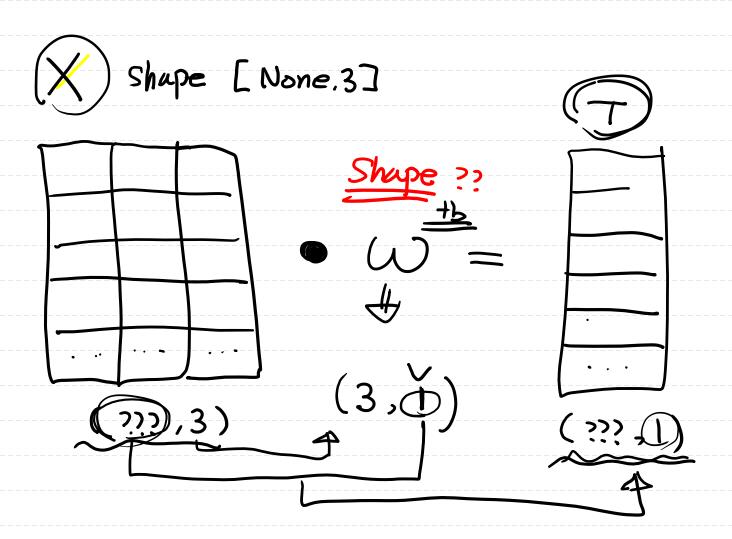
• %25 (音)

V -> Linear Regression (Simple)

V -> python code, Tenonflow

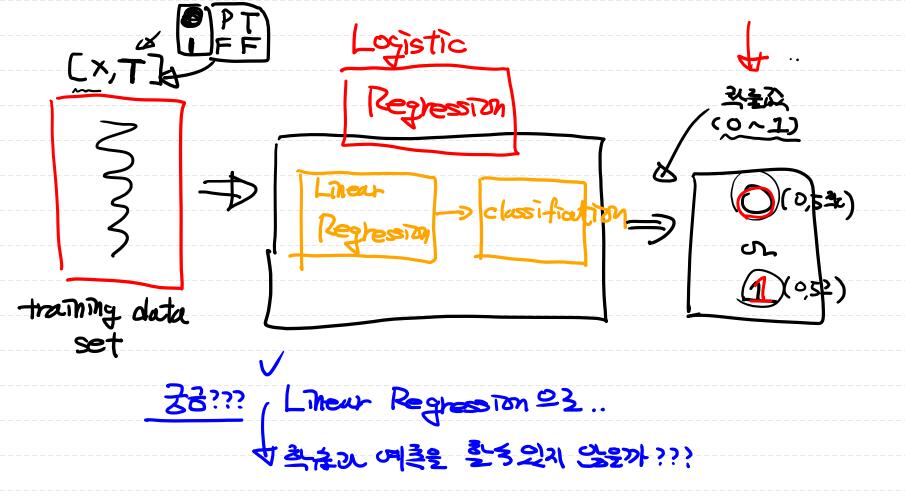
V -> Clusification(当) -> logistic Regression.

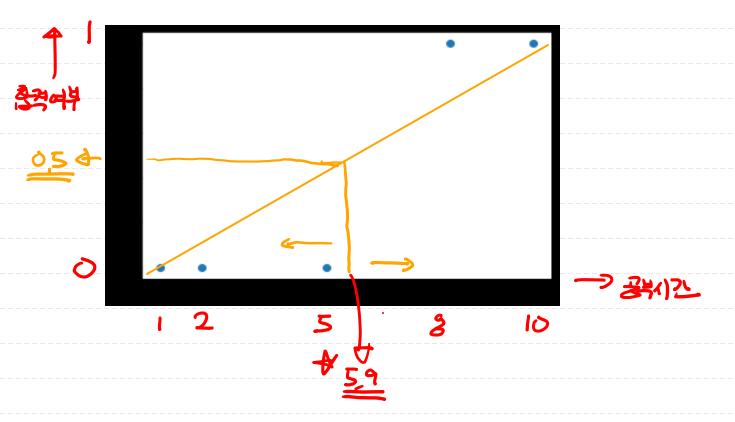




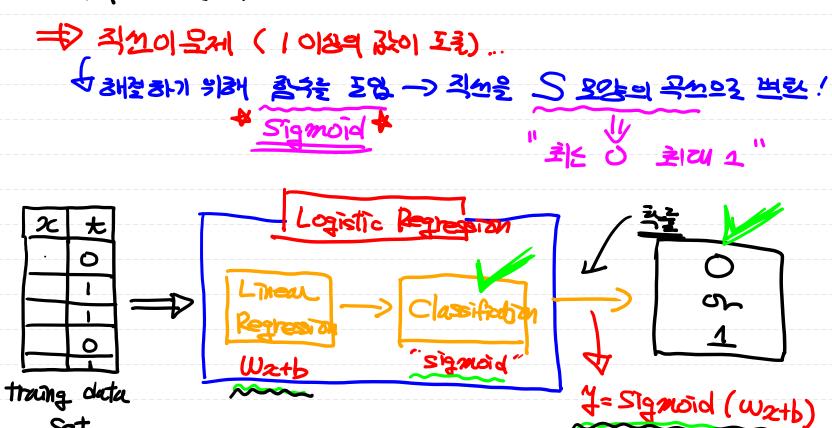
· machine learning - Regression (Linear Regression) Cksificution(岩子)女 Training Dectar Set Essen III INCHA 미성히 양력단이다이 파와 이슈타 왕왕이 맛이 स्कृत श्राध्या व्यक् · Email spam 013 V2相/兆劈 -) binary classification Fail F · X개클 |개고 블록 _ > multinomial Classification OSU -O - Fail

· 이전 classification 구환경기 위에서 말은 오고성큼이 있어요!!! SVM Naive Bays -> > > > > Chosifiation 2122)} -D 33457L 3531 = OLB /// ogistic Regressionel Linear Regression & Olssyln Traing duta Set 530 보고 피스레이 - 의선 중이모(2차보이용) 2 그 작성을 기름으로 데이터를 보죽 (요 & 1)





· 全主からる Linear Regression らると 当天 (classification) 419音 अग्राण डिस्का श्राम्



Set

Sigmoid is
$$\frac{5}{2}$$
 $\frac{5}{2}$ $\frac{1}{1+e^{-2}}$ $\frac{1}{1+e^{-(wath)}}$

Logistic Regression

preditive 우리 구해야 최는 최계함수(Hypothesis, Model)

$$\frac{4}{1+e^{-(\omega_{2}+b)}}$$

$$\frac{4}{1+e^{-(\omega_{2}+b)}}$$

$$\frac{4}{1+e^{-(\omega_{2}+b)}}$$

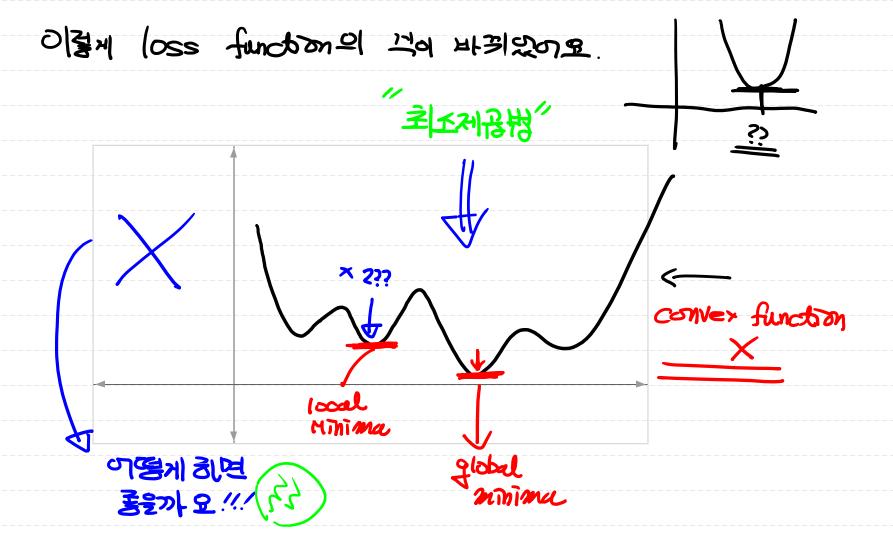
$$\frac{2}{1+e^{-(\omega_{2}+b)}}$$

$$\frac{2}{1+e^{-(\omega_{2}+b)}}$$

Linea Regression -> Rogistic Regression => Exist 4= Wx+b 4= 1+e-(wx+b)

 $\mathbb{D} \to \mathbb{E}(\omega,b) = \frac{1}{n} \sum_{i=1}^{n} (\pm_i - (\underline{\omega_{xi+b}}))^2 \to \pm 1 \in \mathbb{N} \mathbb{R}^{\frac{n}{2}}.$ $\mathbb{E}(\omega,b) = \frac{1}{n} \sum_{i=1}^{n} (\pm_i - (\underline{\omega_{xi+b}}))^2$

$$\mathbb{R} \rightarrow E(\omega,b) = \frac{1}{n} \sum_{k=1}^{n} (\frac{1}{1+e^{-(\omega n 2b)}})^{2}$$



Logistic Regression -> Model 의 今ol 中沙の兄も -> loss function至 料到の요! Cross Enthopy" (logistical loss function) 1+e-(wz+b) Cross Entropy, E(w,b) = - [tilog#i+(1-ti).

4、2 (??)

عر, (۱ <u>۱</u> ۲۲)	고려 2(체子)(간)	大 (시참결교)
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3	3	
2	3	
5	l	0
2	0	0
	O	10