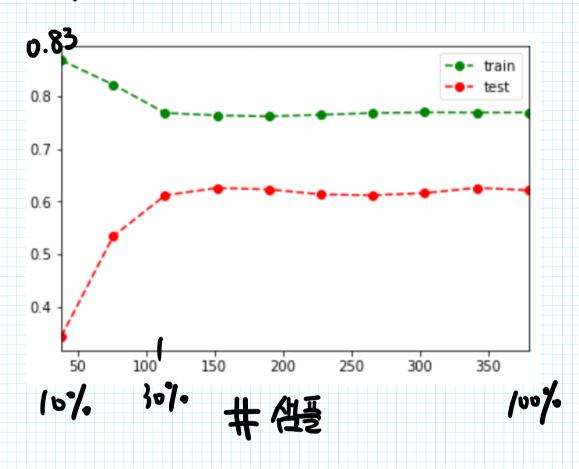
## 학습관



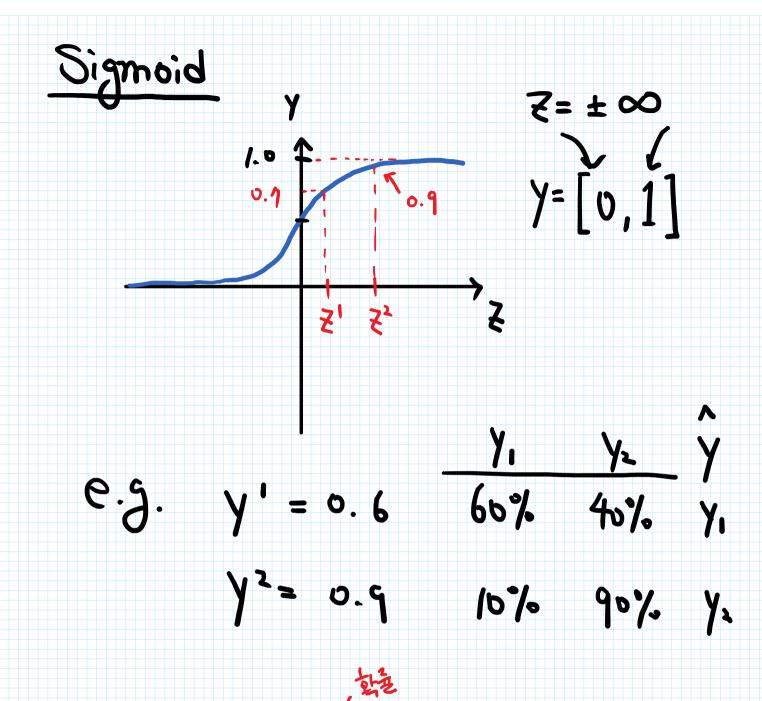
$$= \alpha \sum W_{\lambda}^{\otimes} = \alpha \sum |W_{\lambda}|$$

$$= \alpha \sum |W_{\lambda}|$$

$$= 1$$

$$x \xrightarrow{w} (\widetilde{w_{X}}) \xrightarrow{z} (\widetilde{y}) \rightarrow \hat{y}$$

$$= \begin{bmatrix} \lambda_1 & \cdots & \lambda_n \end{bmatrix} \cdot \begin{bmatrix} W_1 \\ \vdots \\ W_n \end{bmatrix}$$



예측확률 = logreg.predict\_proba(X\_test)

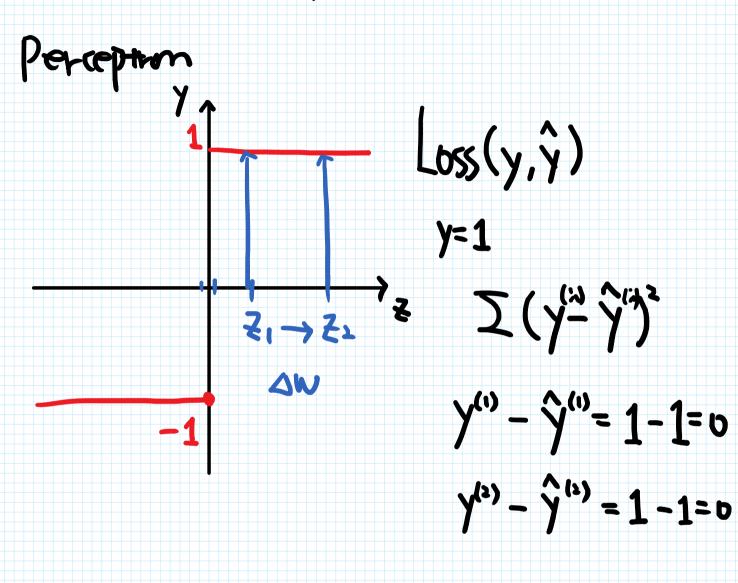
#### In [33]:

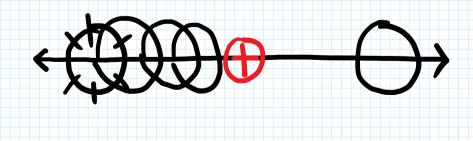
pd.DataFrame(예측확률)[:10]

3 <u>477141</u>\_02

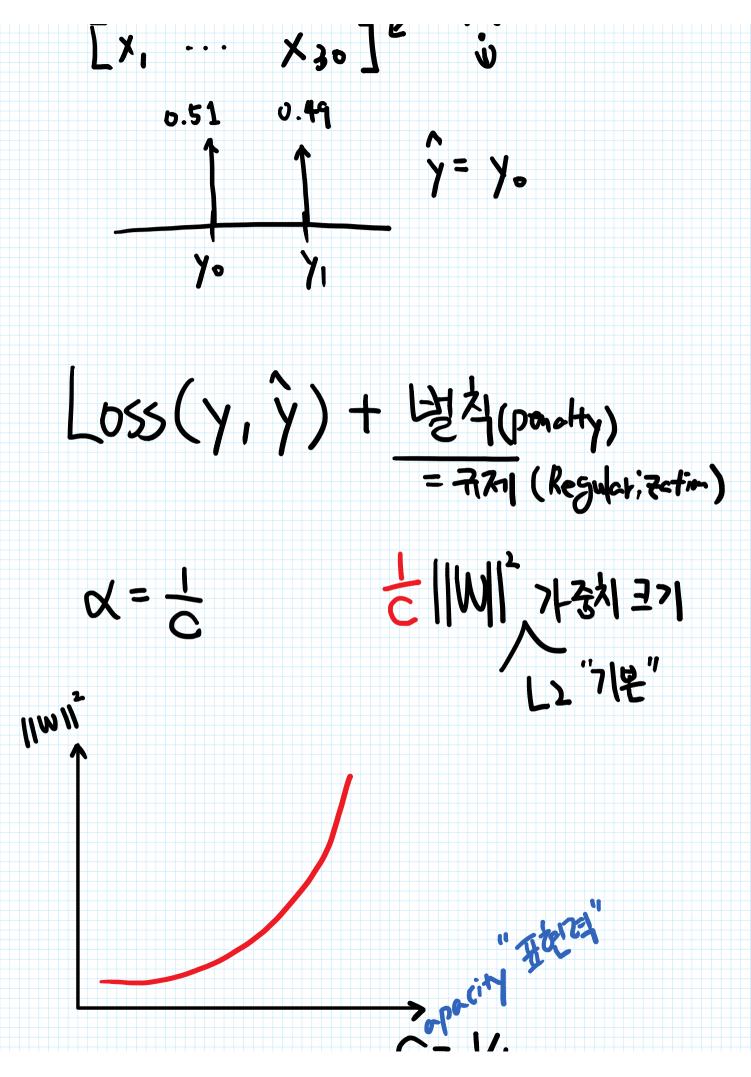
0 965229

y۰	0.132574	8.674260e-01	0
Ϋ́ι	0.965229	3.477141e-02	1
Ϋ́ι	0.992287	7.713378e-03	2
, Yı		2.684808e-02	3

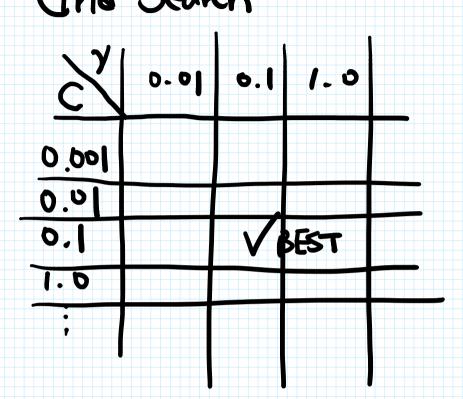


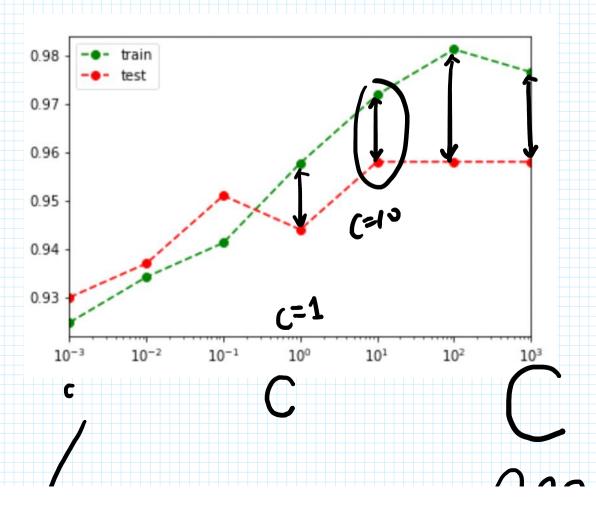


[x. ... x20] [ ]







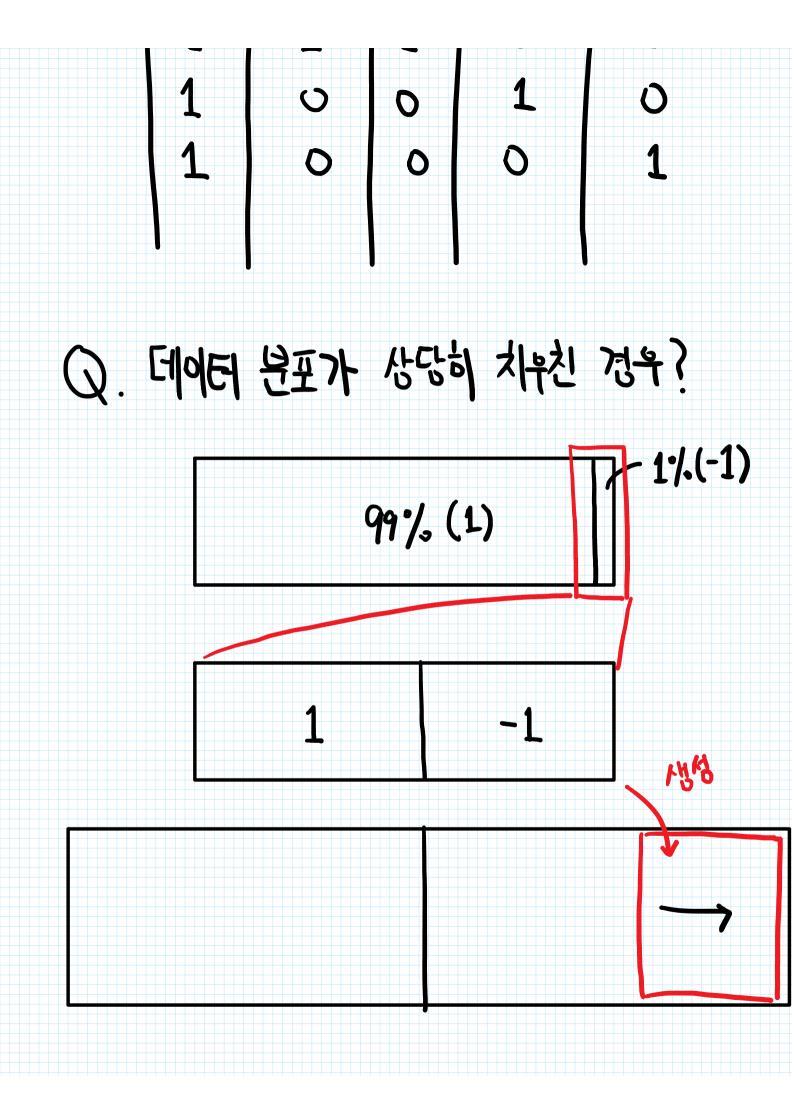


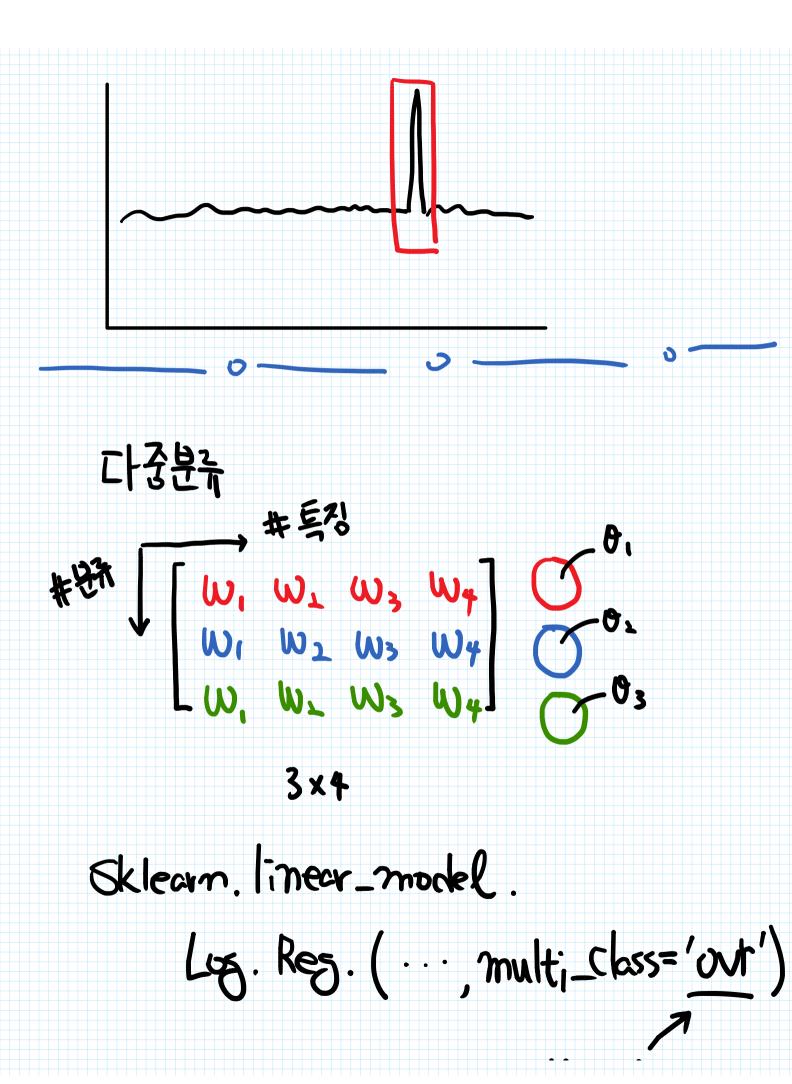
M

### ALT

Q. 텍스트 데이터 → 숫자 (Encoding) e.g. BoW "단어당치" 1960s

- 1. मिर्णिट जार्जा है4
- 2. 平的也 时代24岁
- 3. जनक धिन्ध

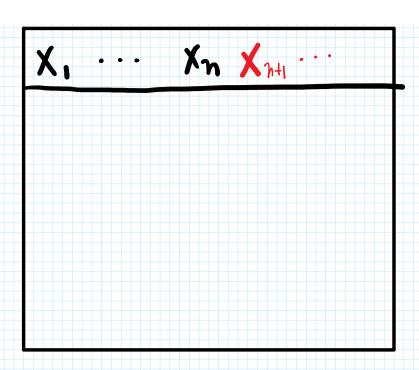


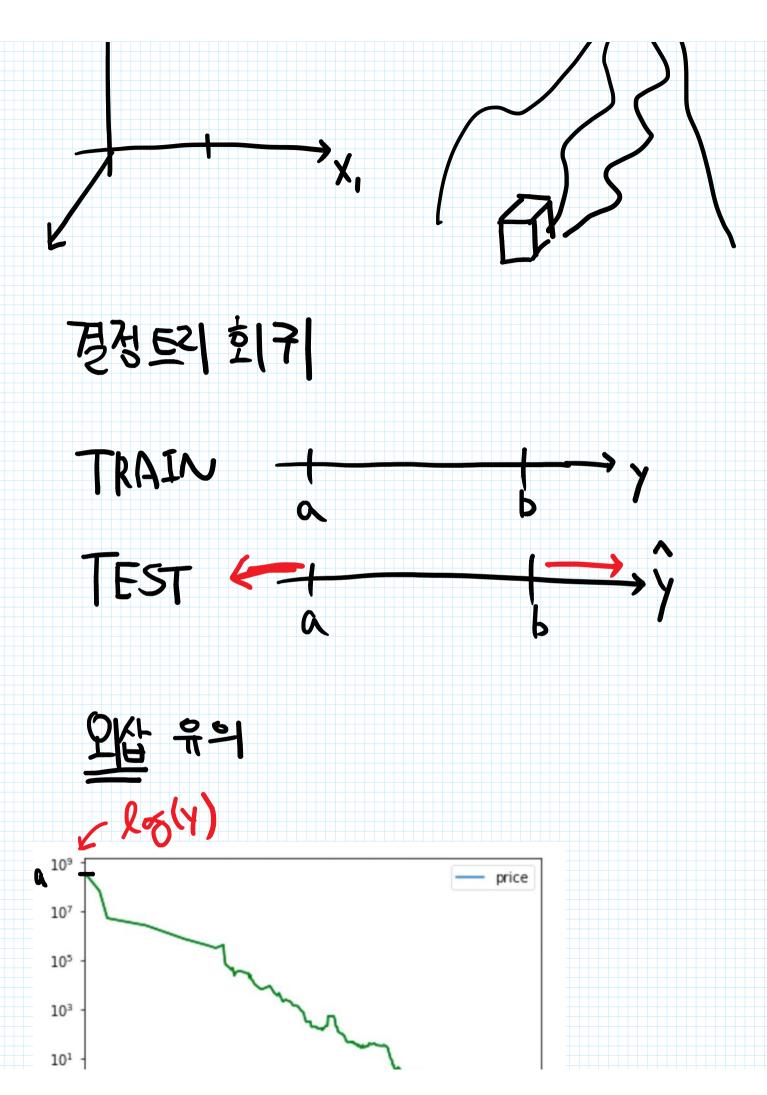


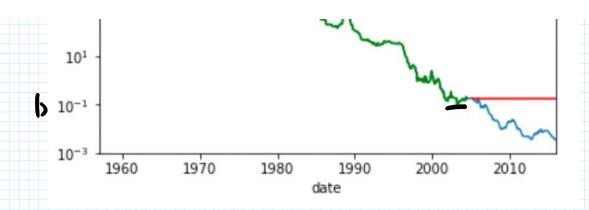
# One Vs. Rest

# पिष्ठिं पार्वा हेत

DataSet: MNIST







lin res  $(\chi_{th}, lgy_{th})$ . predict  $(\chi_{th}) \rightarrow lgy$ 

elsi - i

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→ 计被地

「Manager Line

- Manager Line

- Manager

