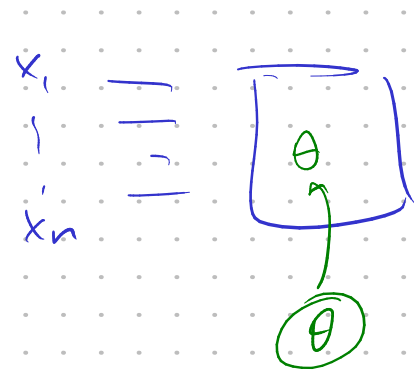


- 10000 pg -

$$\frac{5 \frac{2}{3}}{14} = \frac{17}{3 \cdot 14} = \boxed{\frac{17}{42}} < \frac{1}{2}$$

$$\frac{2 \frac{1}{2}}{6} = \boxed{\frac{5}{12}} < \frac{1}{2}$$

Avg



$y \in \{0, 1\}$

max
↑
 θ

$p(\theta | D) \propto p(\theta) p(D | \theta)$

$\hat{y} = \sigma(\bar{x}^T \bar{w})$

$p(\bar{w}) = \mathcal{N}(\bar{w} | \sigma^2 \mathbb{I})$

$e^{-\lambda \|\bar{w}\|_2^2}$

$\log p(\theta | D) = \text{const} + \log p(\theta) + \log p(D | \theta)$

$\theta \rightarrow \text{max}$

$+ \frac{\lambda \sum w_i^2}{\lambda \sum |w_i|}$