

* Train / Test procedure for dassification problem

Of the parameters by minimizing $J(\vec{w},b)$ to find \vec{w},b

@ Complete test error

3 Compate train error

* test emor, town error other definition

=) fraction of the test set and the fraction of the train set that the algorithm
has misclassified

$$\hat{y} = \{ 1 \text{ if } f_{2,b}(\hat{z}^{(0)}) \ge 0.5 \}$$

$$\Rightarrow \text{ count } \hat{y} \ne \hat{y}$$

J test (2,6): the fraction of the test set that has been misclassified

J train (w, b): the fraction of the train set that has been Misclassified.