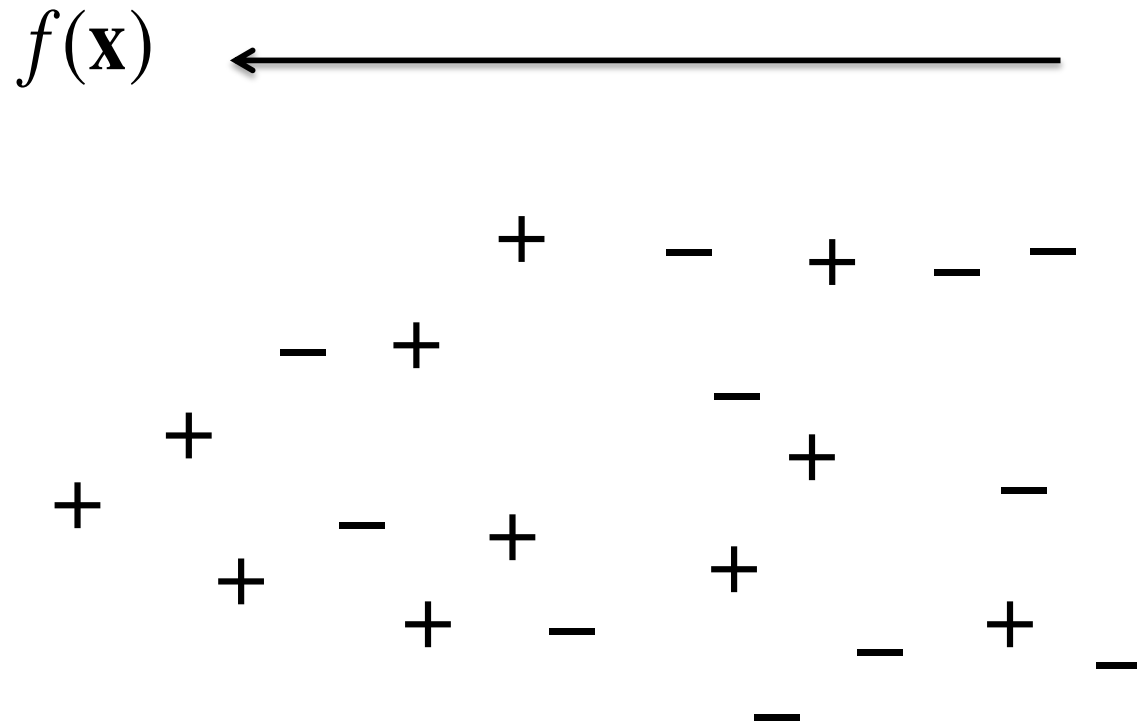


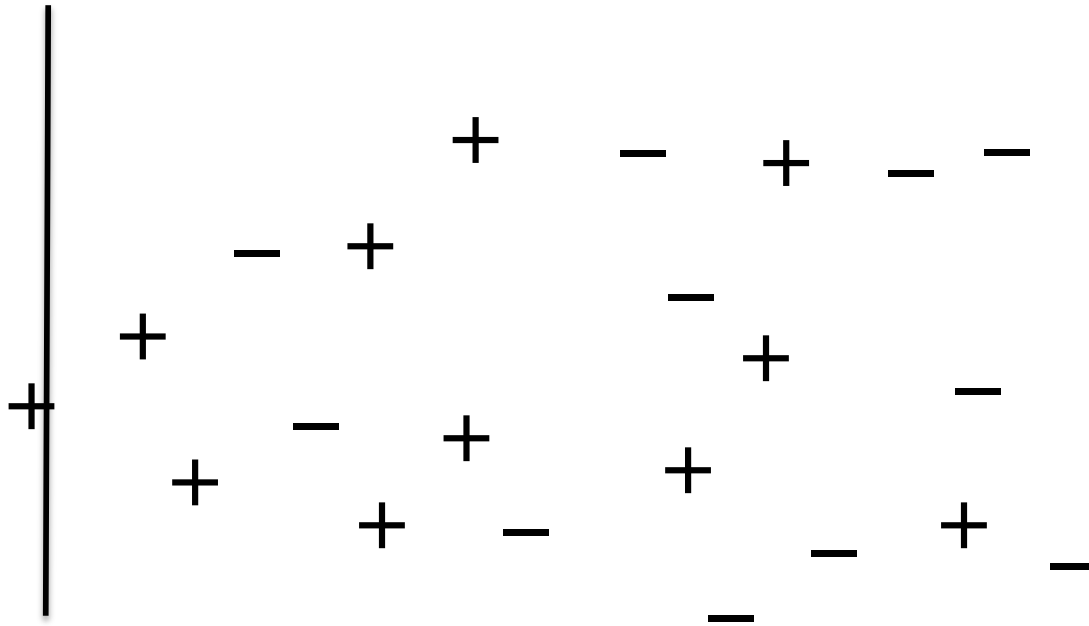
ROC Curves

- Adjust the decision boundary



ROC Curves

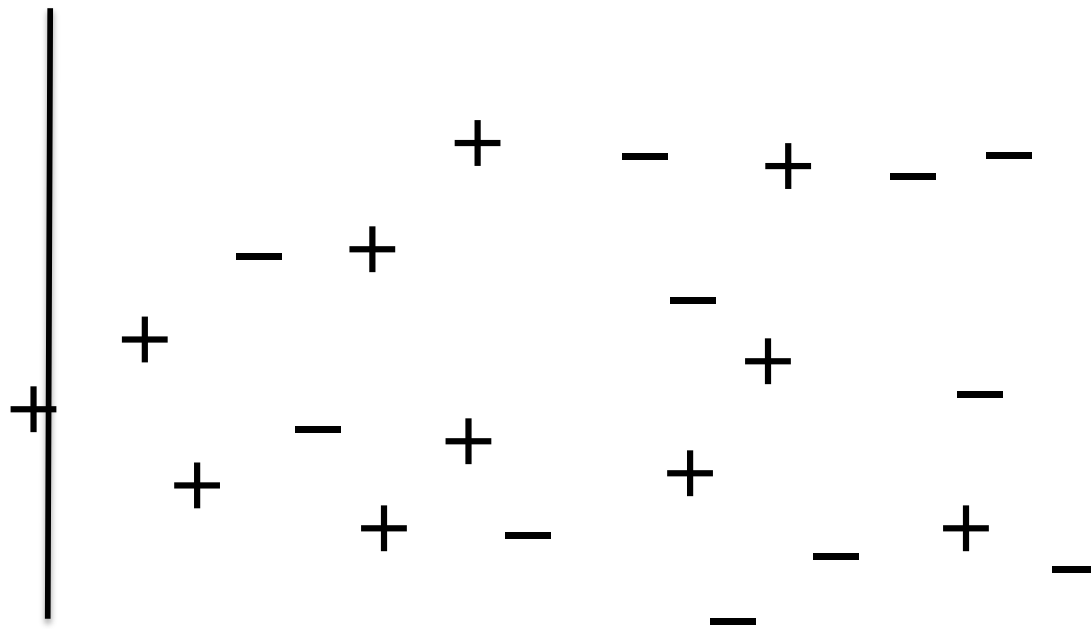
- Adjust the decision boundary



ROC Curves

- Adjust the decision boundary

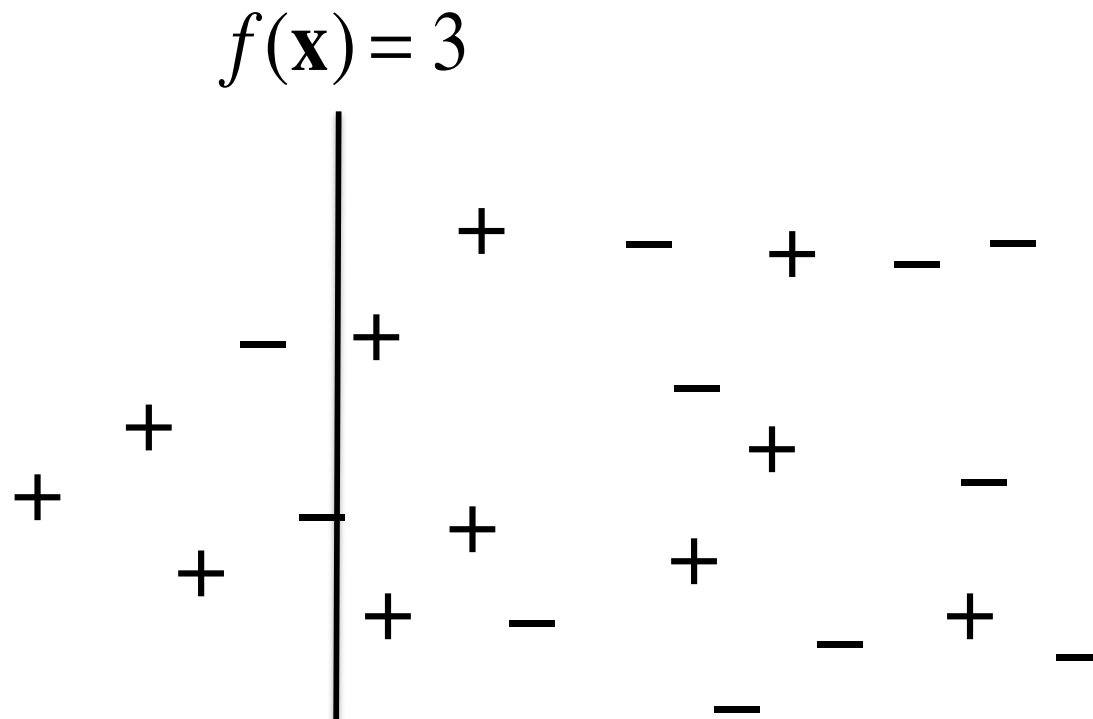
$$f(\mathbf{x}) = 7$$



- $\text{TPR} = 1/11$
- $\text{FPR} = 0/12$

ROC Curves

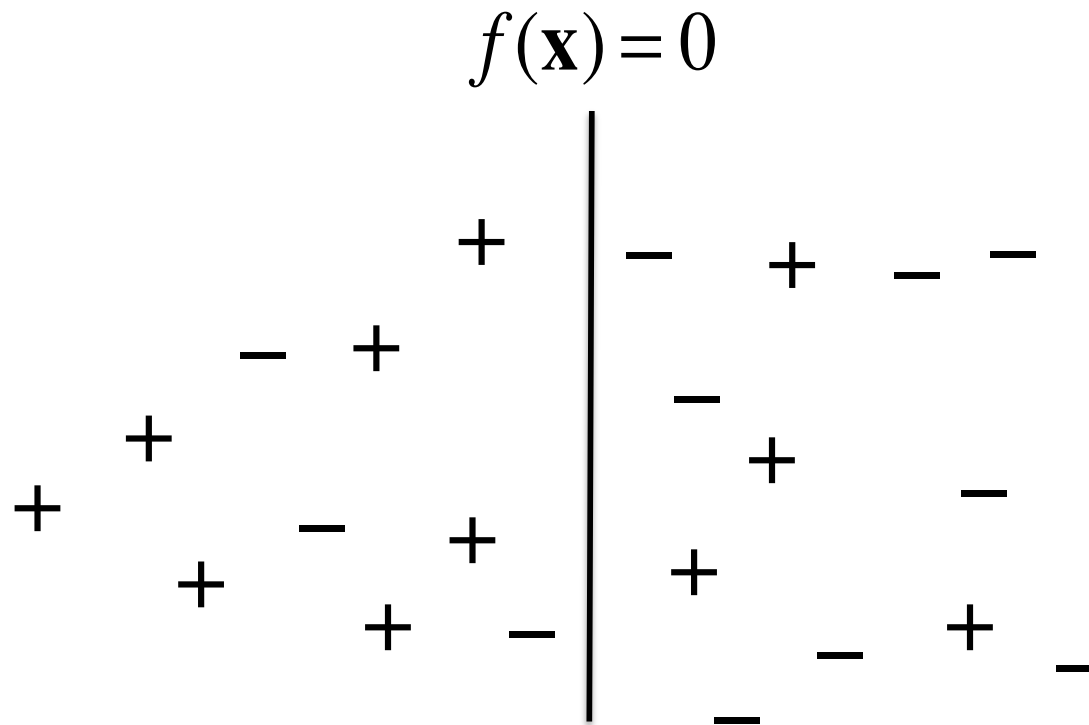
- Adjust the decision boundary



- TPR = $3/11$
- FPR = $2/12$

ROC Curves

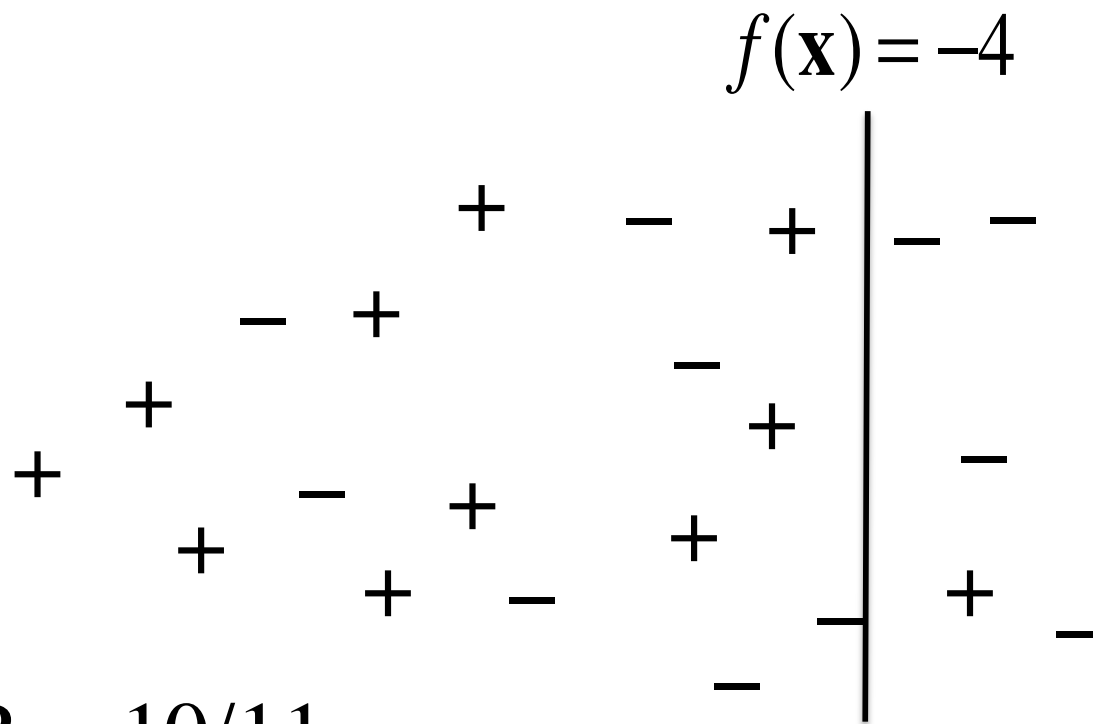
- Adjust the decision boundary



- $\text{TPR} = 7/11$
- $\text{FPR} = 3/12$

ROC Curves

- Adjust the decision boundary



- TPR = 10/11
- FPR = 7/12

ROC Curves

- For a particular False Positive Rate (FPR), what is the True Positive Rate (TPR)?

