CS 66: Machine Learning

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Lab 5: in-lab notes
Creating a ROC curve using probability thresholds

threshold = 0.25

\[ P(y=1 \mid x) > 0.25 \rightarrow 1 \text{ (poisonous)} \]
\[ P(y=1 \mid x) < 0.25 \rightarrow -1 \text{ (edible)} \]

Vary threshold (for testing only)

\[ \left[ 0, 0.1, 0.2, \ldots, 0.9, 1 \right] \]

none
ROC

$T = 10, \ T = 100$

thresh = 0

random guessing:

- RF
- AdaBoost

$P(Y = c | X_j = v)$

$P(Y = c)$

$P(X_j = v)$

weighted