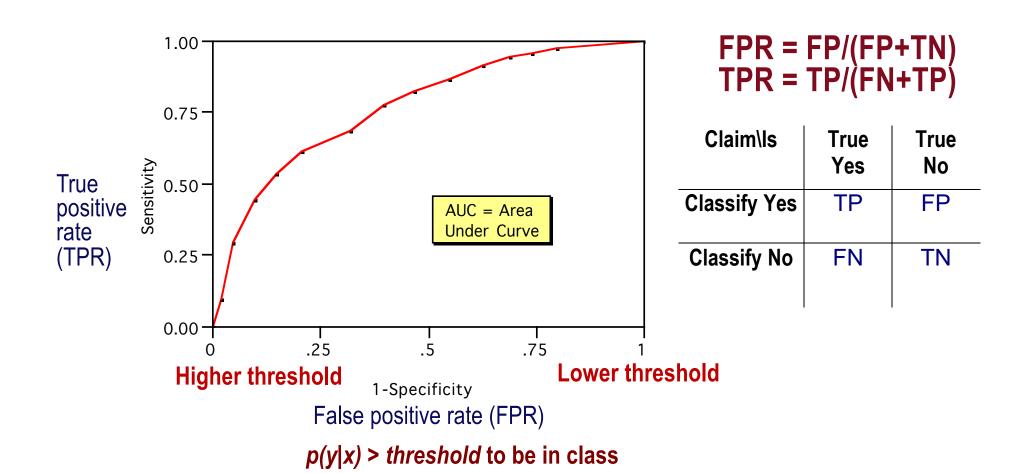
Recitation

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ROC Chart Varies Threshold



Is F1 symmetric?

- Precision
 - P(yes | predicted as yes) = TP/(TP+FP)
- Recall (or Sensitivity)
 - P(predicted as yes | yes) = TP/(TP+FN)
- Specificity
 - P (predicted as no)| no) = TN/(TN+FP)

Claim\ls	Yes	True No
Classify Yes	TP	FP
Classify No	FN	TN

F1 = 2 precision*recall/(precision + recall)

If F1 symmetric?

A) Yes B) No



Imputation

◆ Single column vs full matrix

What method would you use?

- ◆ A doctor has 1,000 patients who had heart surgery; outcome is whether or not they were readmitted to the hospital within 30 days
- ◆ An ophthalmologist has 10,000 images of eyes labeled as "retinopathy" or "normal
- ◆ I have the Facebook posts of 3,000 people and their scores on a questionnaire to assess excess drinking