

# CS486-686 Information Retrieval Metrics

Recall

Precision

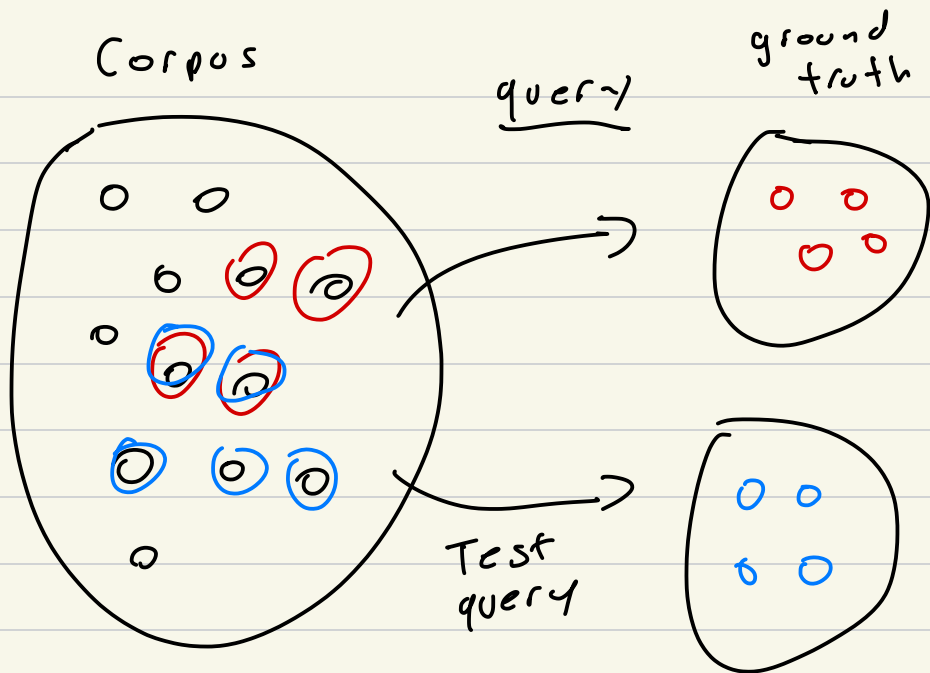
F1

corpus of documents

$$\text{Recall} = \frac{\# \text{ of relevant docs retrieved}}{\# \text{ of relevant docs in corpus}}$$

$$\text{precision} = \frac{\# \text{ of relevant docs retrieved}}{\# \text{ of docs retrieved}}$$

$$\text{F1 score} = 2 \times \frac{\text{Precision} \times \text{Recall}}{\text{precision} + \text{recall}}$$



$$\text{recall} = \frac{2}{4} = 50\% ]$$

$$\text{precision} = \frac{2}{5} = 40\% ]$$

# Code Retrieval

foo.c, start = 10, end = 14

"foo.c" : 10  
"foo.c" : 11  
"foo.c" : 12

