

# 1 Vector Space Model

## 1.1 Information Retrieval

1. A retrieval model attempts to model
  - ☐ The interface by which a user is accessing information
  - ☐ The importance a user gives to a piece of information
  - ☐ The formal correctness of a query formulation by user
  - ☐ All of the above
2. If the top 100 documents contain 50 relevant documents
  - ☐ The precision of the system at 50 is 0.5
  - ☐ The precision of the system at 100 is 0.5
  - ☐ The recall of the system is 0.5
  - ☐ None of the above
3. If retrieval system A has a higher precision than system B
  - ☐ The top k documents of A will have higher similarity values than the top k documents of B
  - ☐ The top k documents of A will contain more relevant documents than the top k documents of B
  - ☐ A will recall more documents above a given similarity threshold than B
  - ☐ Relevant documents in A will have higher similarity values than in B

## 1.2 Text-based Information Retrieval

1. Full-text retrieval means that
  - ☐ The document text is grammatically deeply analyzed for indexing
  - ☐ The complete vocabulary of a language is used to extract index terms
  - ☐ All words of a text are considered as potential index terms
  - ☐ All grammatical variations of a word are indexed