

Homework Assignment 2

Exercise 2.1

Discuss the main differences between the Boolean Retrieval Model and the Fuzzy Retrieval Model.

Exercise 2.2

Why is difficult to compute the fuzzy membership weights?

Exercise 2.3

What is the idea of TF-IDF? What motivates its use?

Exercise 2.4

Explain the assumptions of the vector space model that do not hold in general.

Exercise 2.5

Why doing normalization in the vector space model makes sense?

Exercise 2.6

Explain how the definition of conditional probability allows us to derive Bayes Theorem.