

IR (Chapter 06) Classwork Problem

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1. Compute the ranks for documents using the tf-idf model.

For the terms t_1 , t_2 , t_3 , t_4 , t_5 , and t_6 ,

the vector of document 1 is $(2, 0, 1, 2, 0, 0)$,

the vector of document 2 is $(0, 3, 2, 1, 1, 1)$, and

the vector of query is $(0, 0, 0, 3, 0, 4)$.

Assume that these vectors already contain the tf-idf values so you do not have to do any further term weighting.