Overview

- assign a relevance score to documents based on a query
- ranks documents by relevance
    - further filtering possible
    - each document is [[Vectors as KR]]
        * relevant if simillar to query
- different from [[Data Retrieval]]
    - hybrid approach possible
- heavily reliant on user feedback
    - query refining
        * user unhappy with results ==> user changes query
    - offline evaluation and adaptation of algorithms
    - online machine learning
- usage:
    - [[Recommender Systems]]
    - search engines
    - basically all over the web

Formula

- r=f(q,D)
    - r...ranking score
    - D...set of documents
    - q...query returns data from document
    - f....function returns ranking based on query and document

Query formulation

- content-related queries
- query by example
    - upload similar image
    - recommend books based on previously read books
- context extended queries

[[Data Science and AI]]