Intelligent Information Systems Lab

Winter Semester 2024/2025

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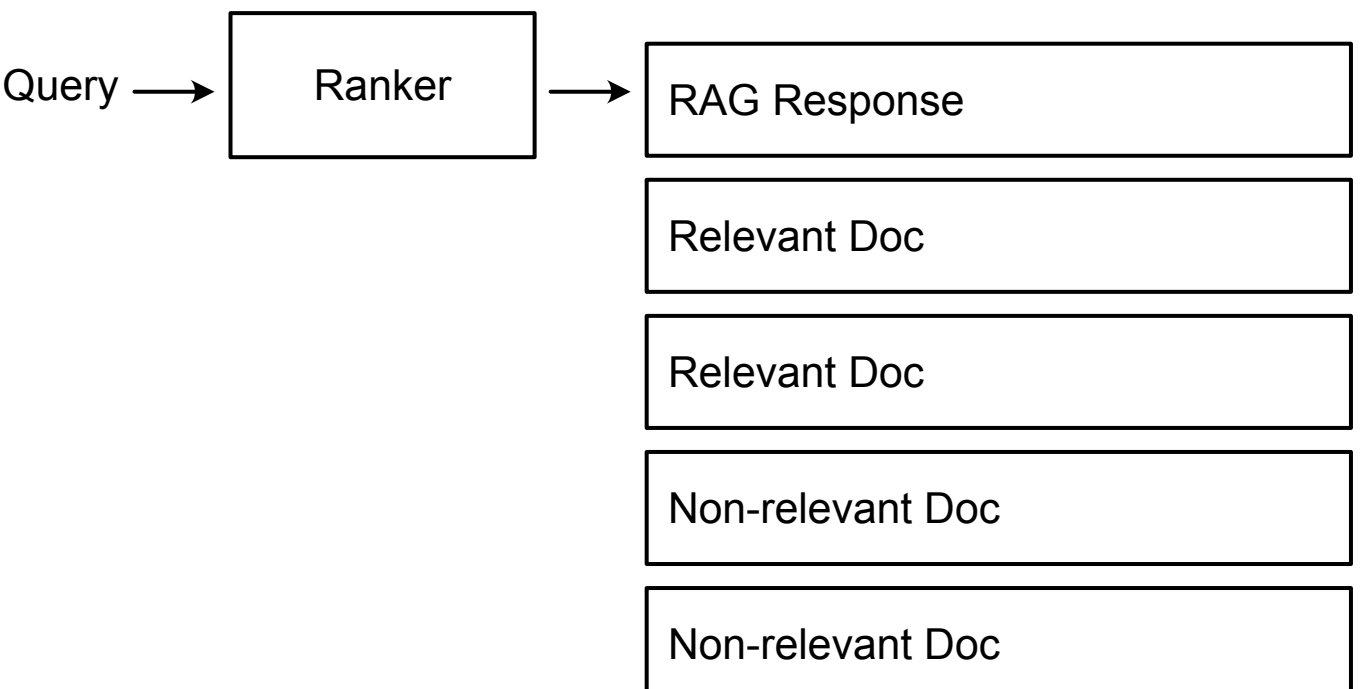
Deep Semantic Learning
University of Kassel and hessian.AI

Agenda

- Last week
  - Pairwise classification of RAG quality
- This week
  - Report your findings on pairwise quality classification
  - Introduction to ranking task
- Next week
  - Train and evaluate a ranking model
  - Present your findings next week, again 10-15mins

Ranking



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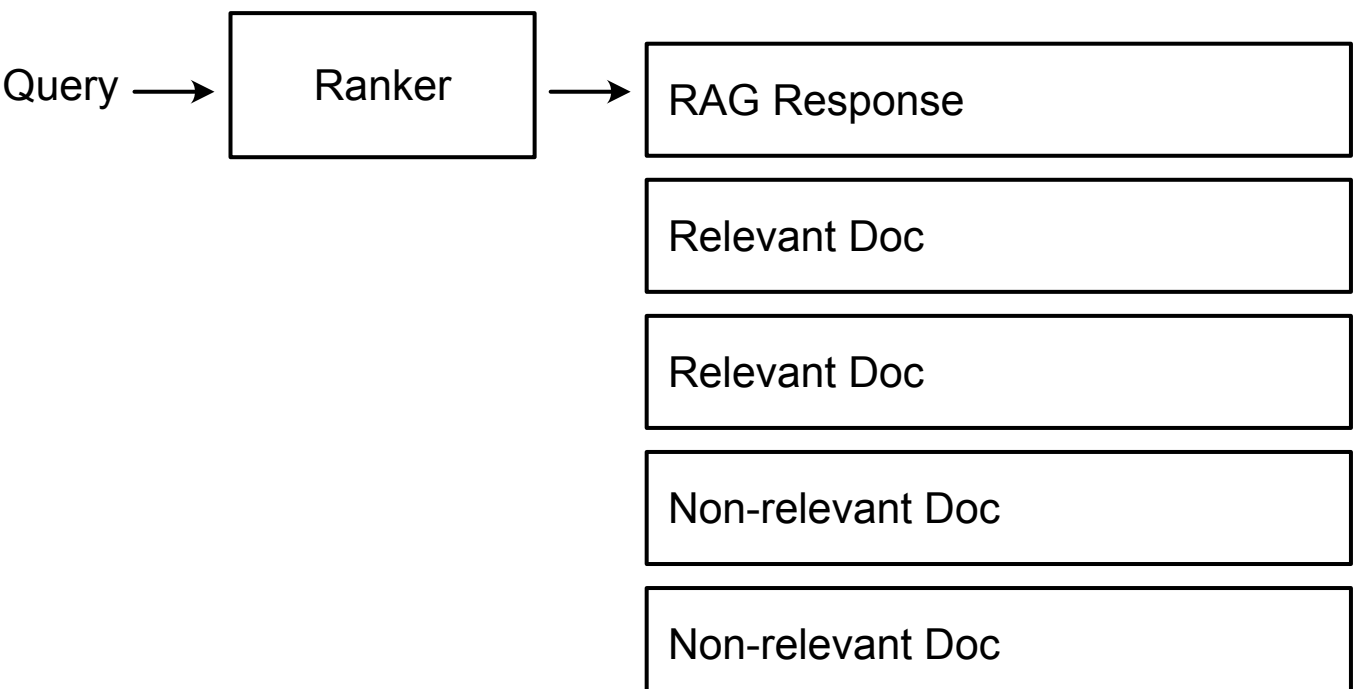

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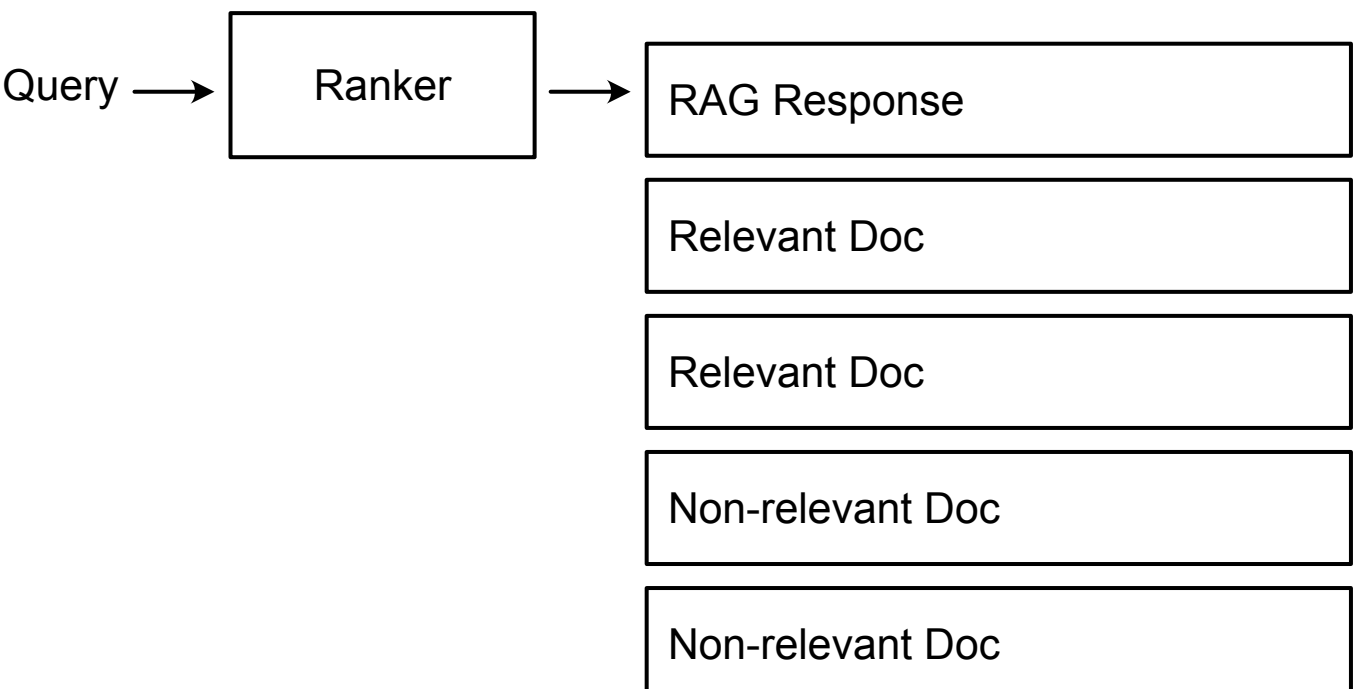

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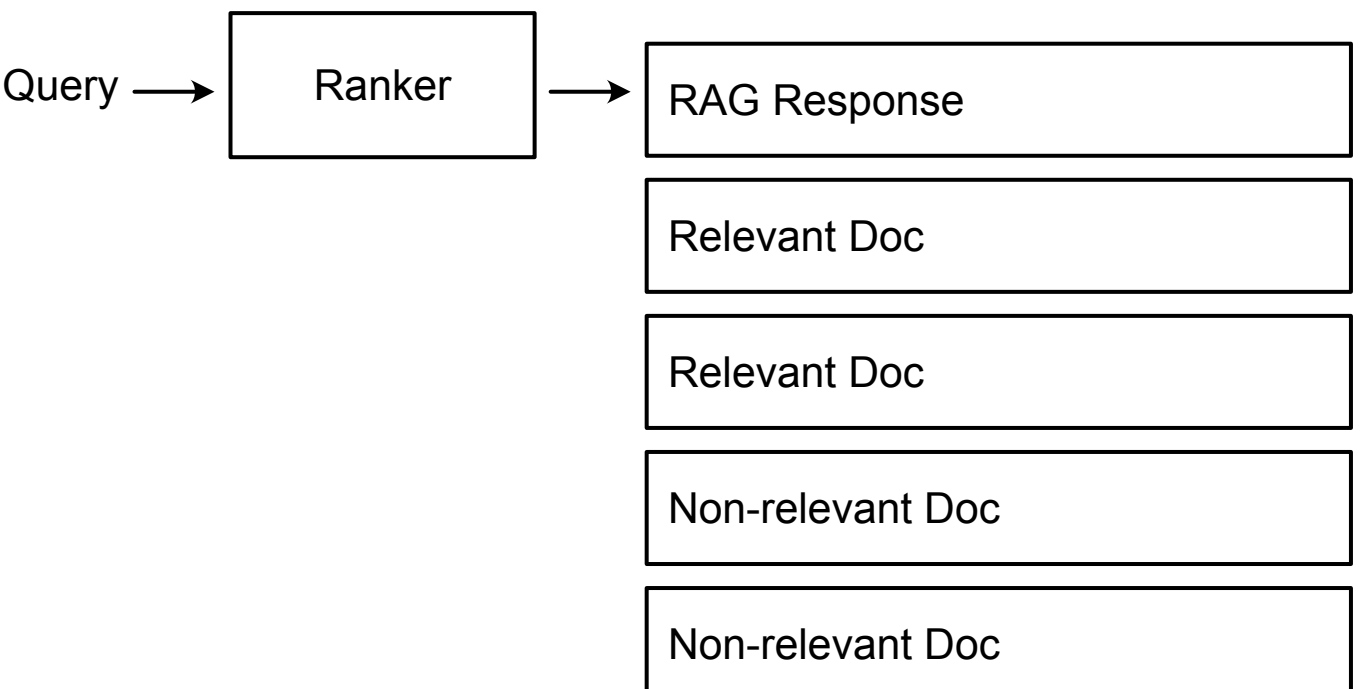
How would you measure the effectiveness of this task?



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➜ Normalise it so when averaged over multiple runs, we get a sensible value.

$$nDCG = \frac{DCG}{IDCG}$$

$IDCG$ is the 'ideal' ranking of documents, ordered from most relevant to least.