Information Retrieval

Exercise – Winter term 2024/2025

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Agenda

1. Retrieval & Pooling

2. Relevance Annotations

3. Access

4. Outlook

Retrieval & Pooling

❑ 10 retrieval systems will be used to retrieve documents for judgments

- – Different retrieval paradigms:
  lexical retrieval, neural retrieval, query expansion, etc.
- – Systems are executed via the TIRA platform [link]
- – The 10 systems will later be the baselines on the leaderboard

❑ Top-10 documents from each system will be "pooled"
i.e., the top-10 from each system is assessed

- – Pooled documents are deduplicated across systems
- – We expect around 100–150 documents per topic
- – Corresponds to roughly 2–3 hours of annotation work

Relevance Assessments

❑ We judge only binary relevance:
judging a document as non-relevant (0) or relevant (1)

❑ Relevance depends on:

  – The topic's description and narrative.

❑ Relevance does not dependent on:

  – Credibility, i.e., non-credible documents can still be found relevant
  – Correctness, i.e., judge as if you did not know the correct answer
  – Why?

    • Credibility and correctness can easily be misjudged
    • Isolate (potentially orthogonal) utility dimensions

❑ Exception: Documents are automatically not relevant if they ...

  ... are not written in English language

  ... contain adult material or spam

  ... are unreadable or broken

Access

❑ Relevance assessments will be handled through Doccano [link]

❑ Each group will receive on Discord:
  – their finalized group name and TIRA account
  – a Doccano account (linked with each topic's Doccano project)

❑ Documents to judge available: Wednesday, 13.11.2024

❑ Due Date: Tuesday, 19.11.2024

❑ Deliverable: Annotations finished on Doccano

❑ We can discuss problems in the next lab session: Tuesday, 19.11.2024

Next Steps
Assignment

- ❏ Relevance assessments on Doccano

Q&A

Any questions?