

Search Engines

Exercise 6: Retrieval Models

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Task: Negation in Retrieval Models

- Normal Query: A B C
 - Normal queries can be easily implemented with different retrieval models

- Query with Negation: A B C \neg D
 - What about queries that have negation?



Task: Negation in Retrieval Models

- Query with Negation: $A B C \neg D$
- Boolean Model is working with Boolean operators – it is very easy to handle negations.
- Explain how you modify other retrieval models to handle negation:
 1. Vector Space Model
 2. Language Model
- Hints:
 - Be creative.
 - Give a small example to show that your new models support negation.

Submissions & Next Exercise

- Submissions:
 - Create slides to present your solution.
 - Send your presentation
 - as PDF or PPT(X) or ODP:
SearchEngines6[Name1][Name2].[pdf|ppt|pptx|odp]
 - via e-mail with subject: *Search Engines 6*
 - to *dustin (dot) lange (at) hpi (dot) ...*
 - until **11 July 2011, 5:00 pm** (next week)
- On **12 July 2011 (Tuesday)**: Be prepared to present your solution
 - English (or German)
 - Absent: Send us an e-mail in advance
 - We will meet at **10:00**.

Thanks for Listening

Next lecture: Tomorrow at 5pm!

- Updates
 - Mailing list: searchengines2011 (at) hpi (...)
 - See website
- Questions
 - Via e-mail:
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