Advanced Information Retrieval Systems Assignment #1

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Assignment #1 レポート(その1)課題

Assignment #1 (1)

- Assume Index Terms
 - \blacktriangleright {t₁, t₂, t₃, ..., t₅₀}
- Assume documents
 - each document include some index terms

 - ► For ease, we write t_n as n
 - with this notation, the document d_1 can be expressed as 10,7,10,2,9,6,8,7,5,5,5,6.
- Assume a document set
 - including 100 documents
 - it can be downloaded from ILIAS with file name "IRSys23_Docs.csv"

Assignment #1 (2)

Document Set

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$$d_1$$

$$d_2$$

$$d_3$$

$$d_4$$

Assignment #1(3)

- ► Generate (compute) Document-Term Matrix
 - Strictly follow the lecture materials for the Lectures #2 and #3
 - Use 10 for base of logarithm
- Submission Format
 - ▶ 100 rows (the number of documents) x 50 columns (the number of distinct index terms)
 - ► Each value must be rounded to 4 digit after the decimal point

Assignment #1 Submission

- Accept the report with ILIAS only
- Upload at "Assignments" > "Assignment #1 submission"
 - File name for the document-term matrix must be D<student_id_6digits>.csv
 - Use only ASCII characters for the file name; do not use Zenkaku characters
- Filename examples
 - Assume your student ID 12345678
 - The document-term matrix: D123456.csv

Submission Format

- Follow the instruction in the assignment strictly
- A submission file with illegal format is not evaluated (i.e. 0 point)
- Format checker programs are provided
 - checkDocTermMatrix.py
 - Check your submission files with these programs
 - Programs are written in Python language

Deadline

- Deadline: May 22nd 13:00
- Submission will be closed at the deadline with the ILIAS server's clock
 - do not assume that the clock on the server is quite accurate