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November 11, 2020

Course Logisitics

► THE formula:

Assignment as Project Examinatelp

- Exam date: Exact time to be announced, 2 Dec (Wed) afternoon.
- * Programme production production
- ▶ Sample exam papers to be released soon.
- Asddey Wienstato powender
- (1) The final exam mark is important and you must achieve at least 40! (2) Supplementary exam is only for those who cannot attend final exam. (3) Apply for UNSW Special Consideration (SC) with sufficient evidence and the SC team will make the final decision.

About the Final Exam

Assignment Project Exam Help minutes scanning + uploading + submission time.

- Very important for you to know how to scan, upload, and submit.

 Practice before/hand!! We will launch a practice session before

 Description:

 Description:
- Designed to test your understanding and familiarity of the core contents of the course.
- ► 10A (8 dued tions) echat. powcoder

- We trust every student will uphold the academic integrity.
 Severe consequences from your condition that the first example to the first example.

About the Final Exam . . .

Assignment Project Exam Help

- You can answer the questions in *any* order.
- Some of the "Advanced" Methods/algorithms/systems are not required unless explicitly mentioned hele COM

Tip: Write down intermediate steps, so that we can give you partial marks even if the final answer is wrong.

Disclaimer: Wavil go through the main contents of each ecture. However, note that it is by no means enhantive.

Boolean Model

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- semantics of the query model (AND/OR/NOT, and other operators, e.g., /k, /S)
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- query processing methods for basic and advanced boolean queries (including phrase query, queries with /S operator, etc.)
- quary optimization methods (list merge order, skip pointers)

 Not required: Next-Cord-index of POWCOGET

 typical preprocessing steps: tokenization, stopword removal, stempling, lemmatization, WCOGET. COM

- ▶ Why we need dedicated algorithms to build the index?
- SPIMIL Single-pass in-memory indexing oder.com
- Dynamic indexing: Immediate merge, no merge, logarithmic merge

Vector Space Model

Assignment of the control of the con

- cosine similarity
- tf-idf variants (using SMART notation); e.g., Inc.ltc
- battup Stockeysip mtW: Good Cara-time
- exact & approximate query optimization methods (heap-based top-k algorithm, MaxScore and WAND algorithms, etc.)
 Not required: Query processing hethod Dased to Query Tr
- Not required: Query placessing methods based or advanced by tiered inverted indexes (e.g., high/low lists, impact-oriented lists, etc.)

Evaluation

Assignment Project Exam Help Existing method to prepare for the benchmark dataset, queries, and

- ground truth
- For unranked results: Precision, recall, fi-measure

 For ranked results: Precision-Vecall graph, 11 point interpolated precision, MAP, etc.
- **Not required**: NDCG, Kappa (κ) measure for inter-judge (dA) and the WeChat powcoder

Probabilistic Model and Language Model

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- Probability ranking principle (intuitively, how to rank documents and when to stop)
- denivertion of the ranking formula of the prohabilistic model
 the BM15 method
- Query-likelihood unigram language model with Jelinek-Mercer Add WeChat powcoder

- Difference between Web search and Information Retrieval.
- Estimation of relative sizes of two search engines COM
- Near dunicate detection: the shinging method
- Not required: the SimHash method.

- Understand the requirements and the current architecture of camers of the large with the company of the company of the company of the current architecture of the curre
- Not required: optimization for age, finding content blocks, etc.

- ► The pagerank algorithm: theory and practice
 ► Not required: the population population of the pagerank

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