# Assignment Project Exam Help Add WeChat powcoder

Assignment Project Exam Help

https://powcoder.com

Add WeChat powcoder

### Add Weether Sewender

- LiC: Prof. Wei Wang, K17-507, x51762
  - <a href="http://www.cse.unsw.edu.au/~weiw">http://www.cse.unsw.edu.au/~weiw</a>
- Research interests
  - Database Assignment Project Exam Help
  - Knowledge Graph and NLP
  - Adversarial machittpleanpowcoder.com
- Homepage: <a href="http://www.cse.unsw.edu.au/~cs6714">http://www.cse.unsw.edu.au/~cs6714</a>
- Email: Add WeChat powcoder
  - piazza (for Q&As): <a href="https://piazza.com/class/keps8hkcron4ef">https://piazza.com/class/keps8hkcron4ef</a>
  - Lecture time:
    - Wed 1600 1800
    - Fri 1400 1600
- Consultations:
  - collaborative consultations on piazza
  - weekly consultation in Zoom (TBA)

I will enrol students manually by the end of W1 and again by the end of W2. No need to send emails to me.

### Add Assessment

Assignment 1: 25%

 Project 1: 25% Assignment Project Exam Help

• Final exam: 50% https://powcoder.com

**39FL** if final exam mark < 40 (out of 100) Add WeChat powcoder

details to be available later

# Assignment Project Exam Help Add WReminder

- Online learning is even harder to keep up
  - Good time management and planning skill required
- Know the regulation brikes demiclistle grity and Plagiarism: https://powcoder.com/https://student.unsw.edu.au/plagiarism
  - Not an exhaustive list of the Rances der misconducts
  - Pay attention to:
    - Collusion, including Contract cheating/ghost-writing
    - Copying, including from the Internet

### Add Expectation

- What are expected in this course
  - Many modules covering a broad spectrum of IR/NLP/SE
  - Heavy workload expected: must read and digest the textbook and slides + additionahmatent Project Exam Help
  - Requires substantial algorithm/data structure design/analysis experience & capability + some maths.

    - ML/DL knowledge will be a plus

  - Up-to-date viewpoints, understanding, knowledge (from the academia & industry)
     Add WeChat powcoder & industry)
  - − → Plan your time well
- I speak fast
  - − → focus
  - → ask questions you are helping your classmates too
- Review after the lecture

### Real Learning Chat powcoder LEARNING HAPPEN?

- After
  - You know the answer
  - You forgot
  - You made mistakes

Assignment Pro

Life-long learning is inevitable

https://powcoderacomas/

- Learn the right learning method
  - Rote learning is USELESS

AN INTRINSIC NEED TO LEARN

ASKING QUESTIONS

SYNTHESIZE

LEARNING -> VARIOUS

SOURCES

ACROSS

DISCIPLINES



CONNECT THE DOTS

MAKING

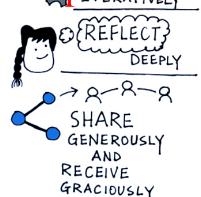
THROUGH CONTEXTUAL APPLICATION



PROBLEM SOLVING THROUGH

COLLABORATION MANUNITY

Source: http://qaspire.com/2016/01/18/when-does-real-learning-happen/



## Assignment Project Exam Help AdRequirements

- Lectures
  - My lecture does not follow closely the textbook, Assignment Project Exam Help and will try to give you a different perspective whenever passible powcoder.com
- Python notekaekveChat powcoder
  - Do the exercise by yourself
  - Very helpful in understanding concepts/algorithms

### Assignment Project Exam Help Add Wechat Sowcoder?

- New contents:
  - some new contents added this semester
     Assignment Project Exam Help
     please let me know the glitches you've found
- Welcome your feedback (throughout the course) Add WeChat powcoder

### Assignment Project Exam Help Knowledge Assumed (non-exhaustive)

- Data structures & algorithms:
  - Heap/priority queue: build a heap in O(n) time?
     Assignment Project Exam Help
     Membership query: tradeoffs? worst/avg-case
  - Membership query: tradeoffs? worst/avg-case time complexters/powcoder.com
  - Recursion: Add WeChat powcoder
  - DFS/BFS/Best-first search

Given an array A of integers. Design an algorithm to return two elements x, y in A, such that x + y = 100 if any, and

- 1. the algorithm takes O(n\*log(n)) time, or
- 2. the algorithm takes O(n) time

### Assignment Project Exam Help Knowledge Assumed (non-exhaustive)/2

- C/C++ & Python Programming:

  - Be able to learn to usnanew Python libraries and write & debug python programs
    - Quickly learn a python-based framework in this course

### Knowledge Assumed (non-exhaustive)/3

- CS Architecture
  - Memory hierarchy: name the levels?
  - Bit representation biparyestring for many? How to obtain the 3<sup>rd</sup>-5<sup>th</sup> bits of a byte?
- Maths https://powcoder.com
  - Calculus: How to find the minimum/minimal value of a function f(x)?
  - Probabilities and statistics: rv; linearity of expectation; indicator variable; number of heads by tossing a biased coin n times; Bayesian theorem
  - Linear algebra: inner/dot product of u and v = ? matrix multiplication

# Assignment Project Exam Help Add WeChat powcoder

Assignment Project Exam Help Introduction

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## Assignment Project Exam Help Search and Information Retrieval

- Search on the Web is a daily activity for many people throughout the world
   Assignment Project Exam Help
   Search and communication are most popular
- Search and communication are most popular uses of the computer wooder.com
- Applications 
   Applications 
   Applications 
   Applications 
   Applications 
   Applications 
   Applications 
   Applications
- The field of computer science that is most involved with R&D for search is information retrieval (IR)

## Assignment Project Exam Help Information Retrieval

- "Information retrieval is a field concerned with the structure, analysis, organization, storage, Assignment Project Exam Help, searching, and retrieval of information."

  (Salton, 196%)tps://powcoder.com
- General definition to the description of the description
- Primary focus of IR since the 50s has been on text and documents

## Assignment Project Exam Help Whatwiscar Poccument?

### Examples:

- web pages, email, books, news stories, scholarly Assignment Project Exam Help papers, text messages, Word Powerpoint, PDF, forum postings, patents, divisessions, etc.
- Common properties Chat powcoder
  - Significant text content
  - Some structure (e.g., title, author, date for papers; subject, sender, destination for email)

### Assignment Project Exam Help Documents vs. Patabase Records

- Database records (or *tuples* in relational databases) are typically made up of well-defined fields (or *attributes*)
  - e.g., bank retords With account humbers, balances, names ward resses social security numbers, dates of birth, etc.
- Easy to compare fields with well-defined semantics to queries in order to find matches
- Text is more difficult

## Assignment Project Exam Help Documents yscollerords

- Example bank database query
  - Find records with balance > \$50,000 in branches Assignment Project Exam Help located in Amherst, MA.
  - Matches ealth fourth by dompanison with field values of records WeChat powcoder
- Example search engine query
  - bank scandals in western mass
  - This text must be compared to the text of entire news stories

### A Gommaring Text

- Comparing the query text to the document text and determining what is a good match is the core issue of information retrieval
- Exact matching of words is not enough
   https://powcoder.com
   — Many different ways to write the same thing in a
  - Many different ways to write the same thing in a "natural langed ged"elike Englishoder
  - e.g., does a news story containing the text "bank director in Amherst steals funds" match the query?
  - Some stories will be better matches than others

### Assignment Project Exam Help Alimensions of IR

- IR is more than just text, and more than just web search. Assignment Project Exam Help
  - although these are central
- https://powcoder.com
   People doing IR work with different media, different types of search papperestions, and different tasks

## Assignment Project Exam Help Add Weblat powedia

- New applications increasingly involve new media
  - Assignment Project Exam Help e.g., video, photos, music, speech
- Like text, content is difficult to describe and compare Add WeChat powcoder
  - text may be used to represent them (e.g. tags)
- IR approaches to search and evaluation are appropriate

# Assignment Project Exam Help Alimensions of IR

Content	Applications	Tasks
Text	Web search	Ad hoc search
Images AS	signment Project Ex	tam Help Filtering
Video	https://powcoder.c	com assification
Scanned docs	Desktop search	Question answering
Audio	Addr Wa Chathpow	coder
Music	P2P search	
	Literature search	

### Assignment Project Exam Help Add We Chat Bowesder

- Ad-hoc search
  - Find relevant documents for an arbitrary text query Assignment Project Exam Help
- Filtering (akatinformation dissemination)
- Identify relevant user profiles for a new document • Classification

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- - Identify relevant labels for documents
- Question answering
  - Give a specific answer to a question

# Assignment Project Exam Help AdBigelssuesine IR

#### Relevance

- What is it?
- Simple (and simplistic) definition: Helplevant document appropriate information that a person was looking for when they submitted a query to the search engine echat powcoder
- Many factors influence a person's decision about what is relevant: e.g., task, context, novelty, style
- Topical relevance (same topic) vs. user relevance (everything else)

# Assignment Project Exam Help AdBigelssuesine IR

#### Relevance

- Retrieval models define a view of relevance
- Ranking algorithms used in search engines are based on retrieval modelaer.com
- Most models describe statistical properties of text rather than held use Chat powcoder
  - i.e. counting simple text features such as words instead of parsing and analyzing the sentences
  - Statistical approach to text processing started with Luhn in the 50s
  - Linguistic features can be part of a statistical model

# Assignment Project Exam Help AdBigelssuesine IR

#### Evaluation

- Experimental procedures and measures for Assignment Project Exam Help comparing system output with user expectations
  - Originated in the 60s
- IR evaluation methods now used in many fields
- Typically use test collection of documents, queries, and relevance judgments
  - Most commonly used are TREC collections
- Recall and precision are two examples of effectiveness measures

### Assignment Project Exam Help AdBigetssuescine!R

- Users and Information Needs
  - Search evaluation is user-centered
     Assignment Project Exam Help
     Keyword queries are often poor descriptions of
  - actual inforhterson preventer.com
  - Interaction and contentapownpartant for understanding user intent
  - Query refinement techniques such as query expansion, query suggestion, relevance feedback improve ranking

# Assignment Project Exam Help Add Webat Search

New Challenges

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 How to obtain data? https://powcoder.com

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 Additional features for Web data

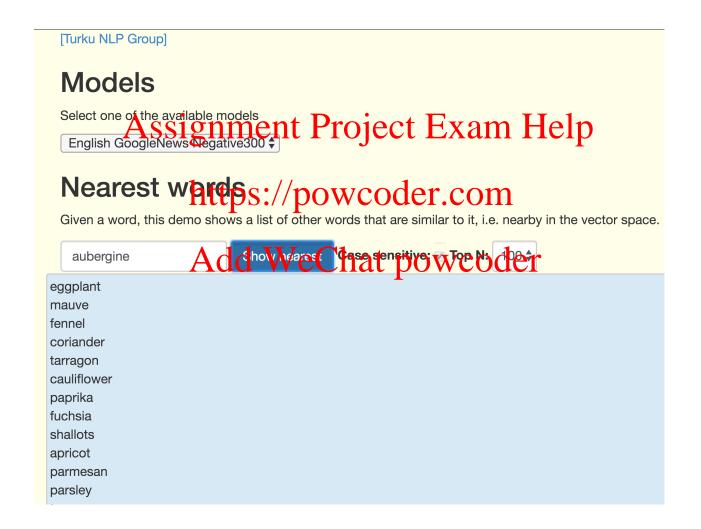
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- Formal representation of semantics
  - <u>"set" in wordnet</u>,
  - Mamihlassignament Project Exam Help
- Common sense knowledger.com
  - kittens are cute
  - SJC often experiences delays.
- Inference:
  - The cat ate a mouse → ¬ No carnivores eat animals
  - Pr[A went to Primary School in B → A was born in B] = 0.613

### Assignment Project Exam Help Some of the Things We'll Learn to Do

- Language modelling
  - ... as soon as [???] ...
- Semantic relation Project Exam Help
  - Synonyms: atther/gipnev€@@r.com
  - Compound agunsieChat powcoder
    - "apple cake" vs "birthday cake"
    - What about "parsley cake"?
- Sequence modelling
  - "time flies like an arrow"

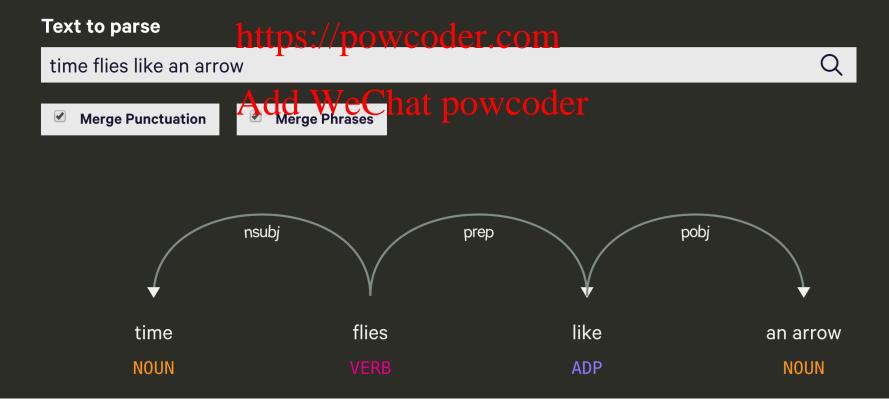
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## Assignment Project Exam Help Add WeChat powcoder



#### Assignment Project Exam Help



# Assignment Project Exam Help Add Weeks & Goals

- To help you to understand search engines, evaluate and compare them, and modify them for specific applications
- Provide broad toverage of the important issues in infokmation leatpieval, search engines, and natural language processing
  - includes underlying models and current research directions