



Final Project



Final project

- Work in groups (*required*), 7 groups in total
 - Project proposal (3 points)--- 1 page, single column
 - Due **Nov 7th** before the class
 - Project report (12 points)--- max 10 pages, single column
 - Plus the **codes** in one single ipython notebook file
 - Due **before** the final presentation (Nov 28th, **no extension**)
 - Project presentation (15 points)
 - 12-mins in-class presentation
 - 3-mins Q&A
 - Send the slides as PDF files to me by **Nov. 27th 23:55**

Final project

- What is the problem identified in the project?
- Why is this problem important?
- Is there any related work?
- What techniques/algorithms will you use/develop to solve the problem?
- How will you evaluate your work?
- List your potential contributions of this work.

Final project

- The reviews make an impact on the purchasing decisions of potential customers.
- At Amazon.com for instance, some products receive hundreds of reviews. It is **overwhelming** and **time restrictive** for most customers to read, comprehend and make decisions based on all of these reviews.
- Customers most likely end up reading only **a small fraction** of the reviews usually in the order which they are presented on the product page.

Final project

Grading:

5	a	Exceptional effort, above and beyond the call of duty
4	a	Above average effort
3	a	Normal effort (this is the expected score!)
2	a	Below average effort
1	a	Unacceptable effort

YOUR NAME: _____ Score: _____

Team Member: _____ Score: _____

Team Member: _____ Score: _____

Team Member: _____ Score: _____

Team Member: _____ Score: _____

Project 1

- Steven Spangler
 - Kristen Biskobing
 - Rao Fu
 - Hiu Lam Mak
 - Xuan You
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- Could the topic modeling be used for predicting the ratings of one product? Does the topics related with different ratings?

Project 2

- Jaya Krishna Mandivarapu
 - Akhila Puthengot
 - Faariya Faizi Sheikh
 - Varun Vohra
 - Sumedh Ulhas Khandeparkar
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- Can we predict the ratings purely based on the comments? Can you validate with multiple predictors?

Project 3

- Xun Zha
 - Ao Pan
 - Henan Wang
 - Peiwei Li
 - Yanran Liu
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- Using text mining of amazon reviews to explore user-defined product highlights and issues (Build the brand image)

Project 4

- Birane Seck
 - Rohan Singla
 - Anmol Jain
 - Pablo Alvarez
 - Hamid Lieberman
-
- Does the topics of same rating comments from the same product change over time? Can you validate your arguments with multiple products?

Project 5

- Zhongying Xiao
 - Siyan Guo
 - Binglun Hou
 - Yijin Ouyang
 - Maohua Xie
-
- How many days does it take for the comments to cover all the topics of the same product? Can you validate your arguments with multiple products?

Project 6

- Ayan Ghosh Dastidar
 - Prashanth Kumar Kalavai
 - Praneeth Kumar Kalavai
 - Swapnil Vijay
 - Seyed Mehdi Mahmoodi
-
- Design a new ranking methods to display the importance of the reviews.

Project 7

- Zichao Wang
- Xiaotong Li
- Hanchen Huang
- Lii Ern Tan
- Topic modeling on legal documents