



2st capstone project

THE BOOK CLUB
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CAPSTONE PROJECT PROPOSAL

1. What is the problem you want to solve?

- Build an automated recommendation system that will suggest books a person should read and also suggest people in the group they should talk to based on book ratings

2. Who is your client and why do they care about this problem? In other words, what will your client DO or DECIDE based on your analysis that they wouldn't have otherwise?

Book clubs, libraries, book stores are potential clients. By having a good recommendation system they will attract more readers or customers to their products and engage more people to the community.

3. What data are you going to use for this? How will you acquire this data?

- <https://github.com/zygmuntz/goodbooks-10k>

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4. In brief, outline your approach to solving this problem (knowing that this might change later).

- Use NMF to build the recommendation system
- A file with the ratings provided by each user for each book will be used to train the recommendation system
- A book metadata table with 10K books will be used to provide details of each item

5. What are your deliverables? Typically, this would include code, along with a paper and/or a slide deck.

- Code in Jupyter Notebook
- Report in pdf
- Slide deck to present the approach, analysis, conclusion