

Matchmaker

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The Project

- The goal of this project is to use the data given and to find the possible best match using an unsupervised machine learning algorithm.
- Learn how to feature user data and build a model that could recommend based on attributes and profile essay provided.

Data

OkCupid Profiles : dating app profiles in search for love

- There are approx 60,000 records containing structured information such as age, sex, orientation as well as text data from open ended descriptions.



Data Collection

Start in low-key

- Cold Start
- Minimum questions answered
- Yes or No / Multiple Choices

Who are you looking for?

To see the right people, tell us who you're into.



Tell us about yourself

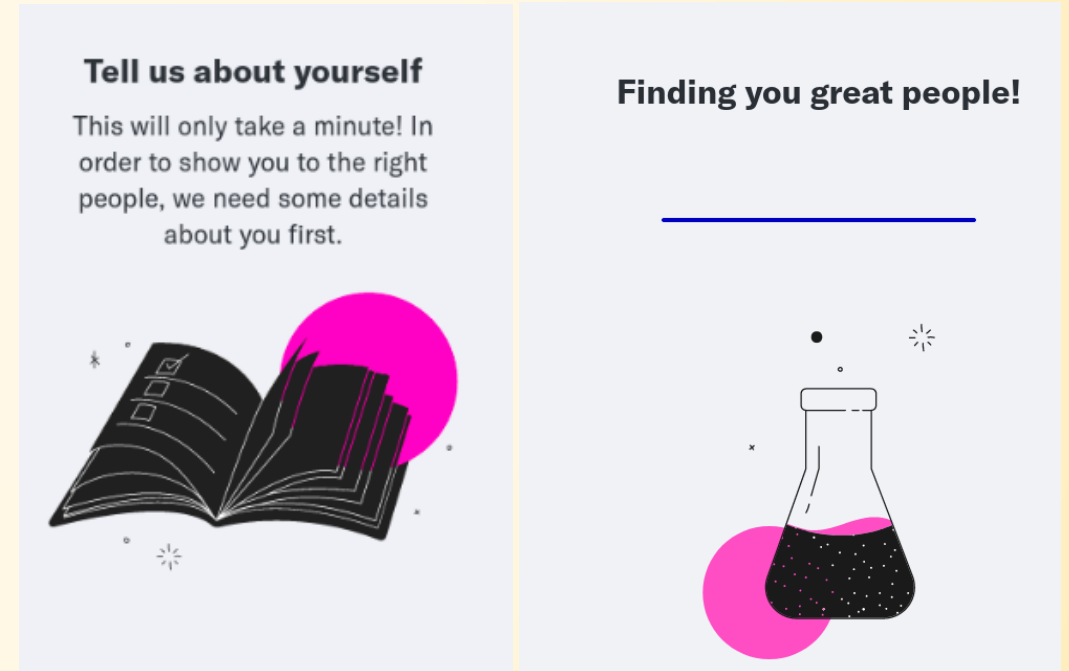
So we can find people who like you for you.



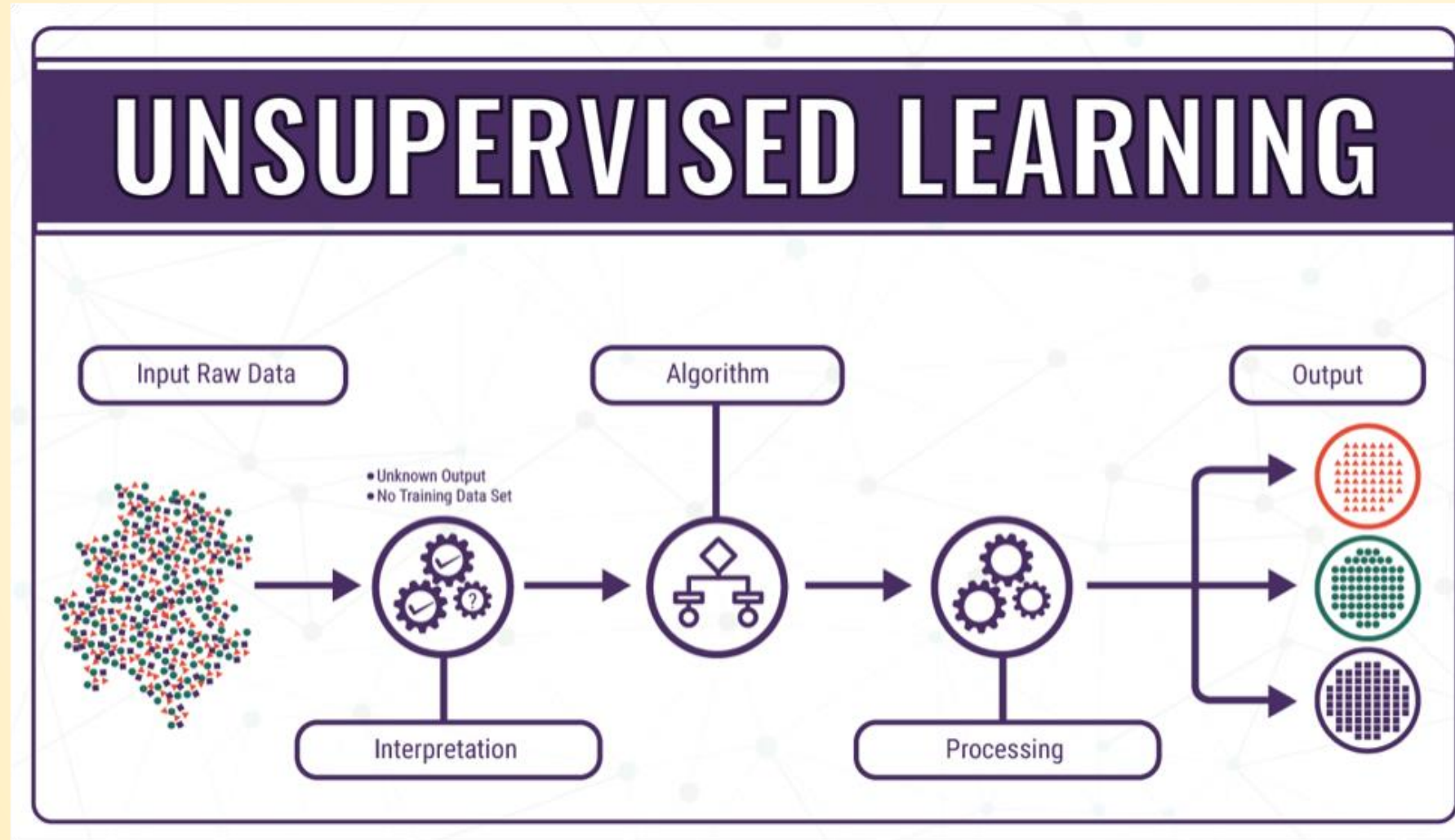
Data Collection

Feeding more information

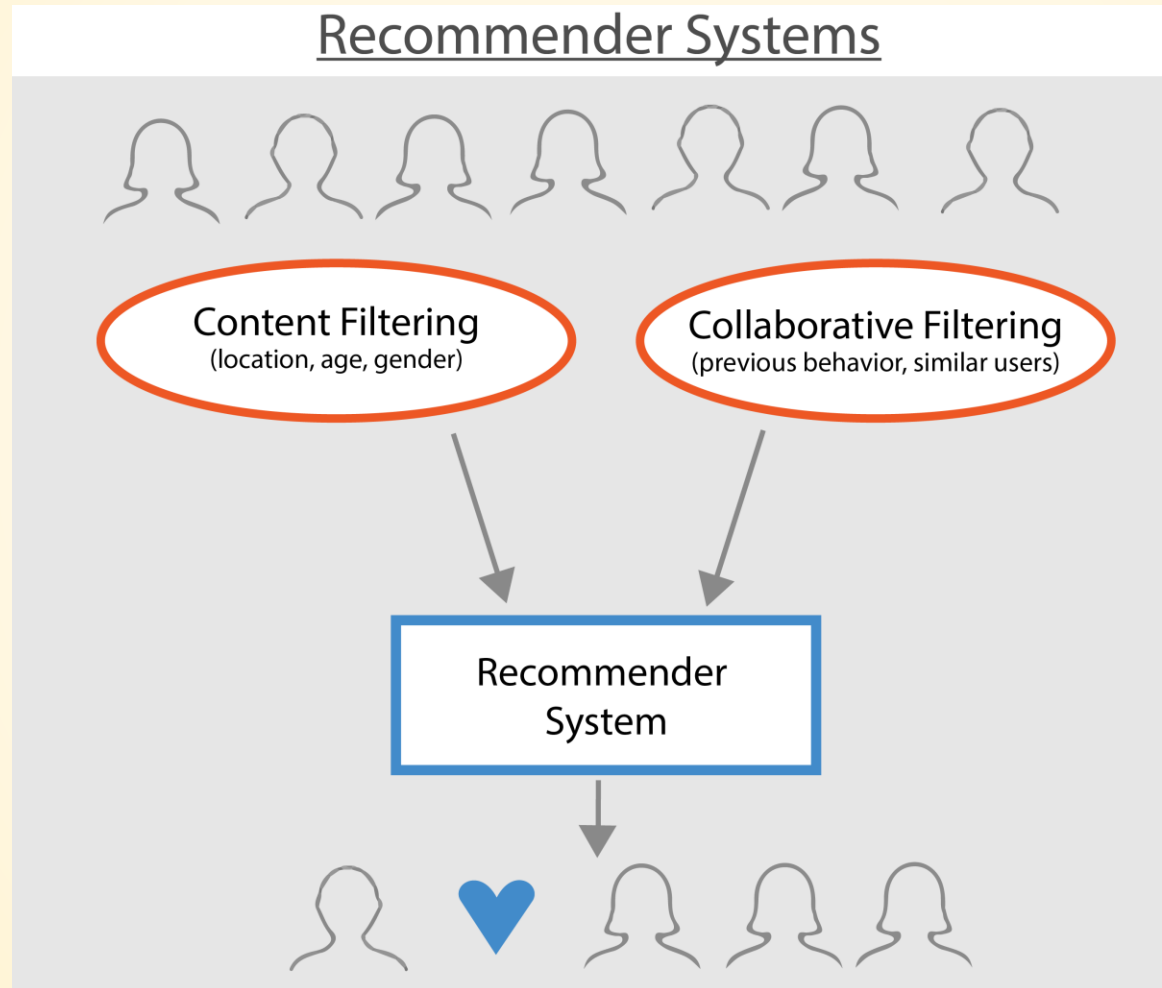
- Adding more words to the user profile
expecting better matches than the beginning.
 - Add Self-Summary
 - Add What I'm actually looking for / Dating



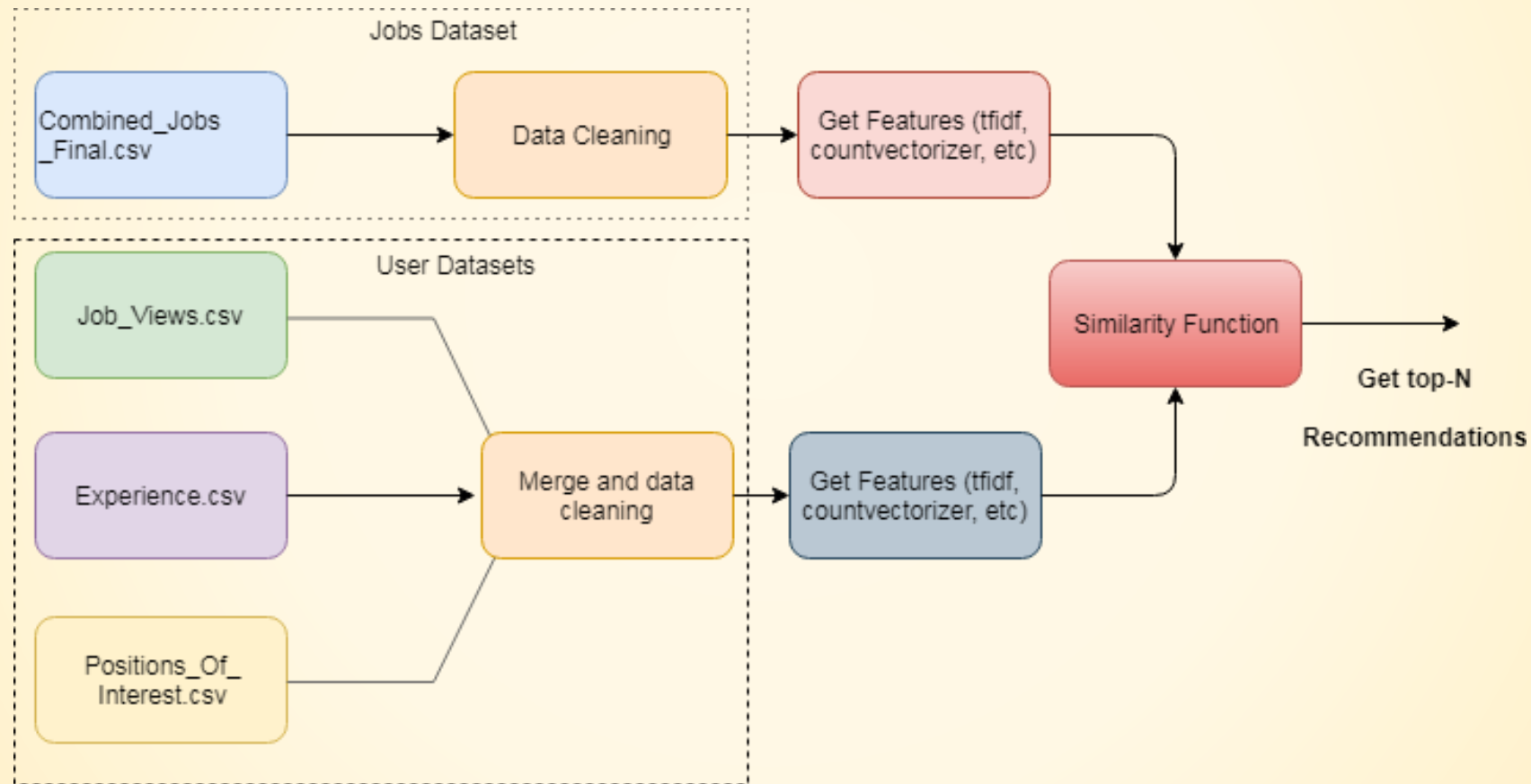
Flow



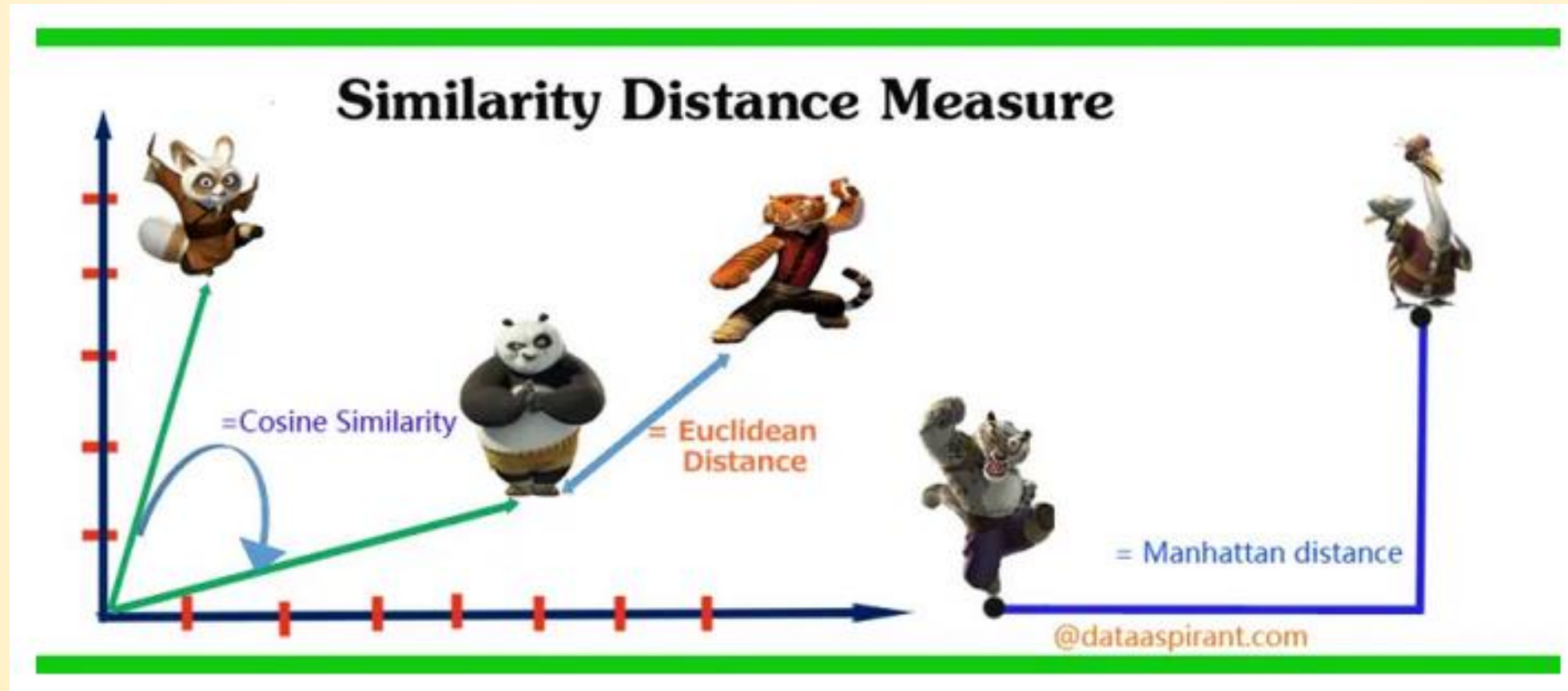
Recommender Systems



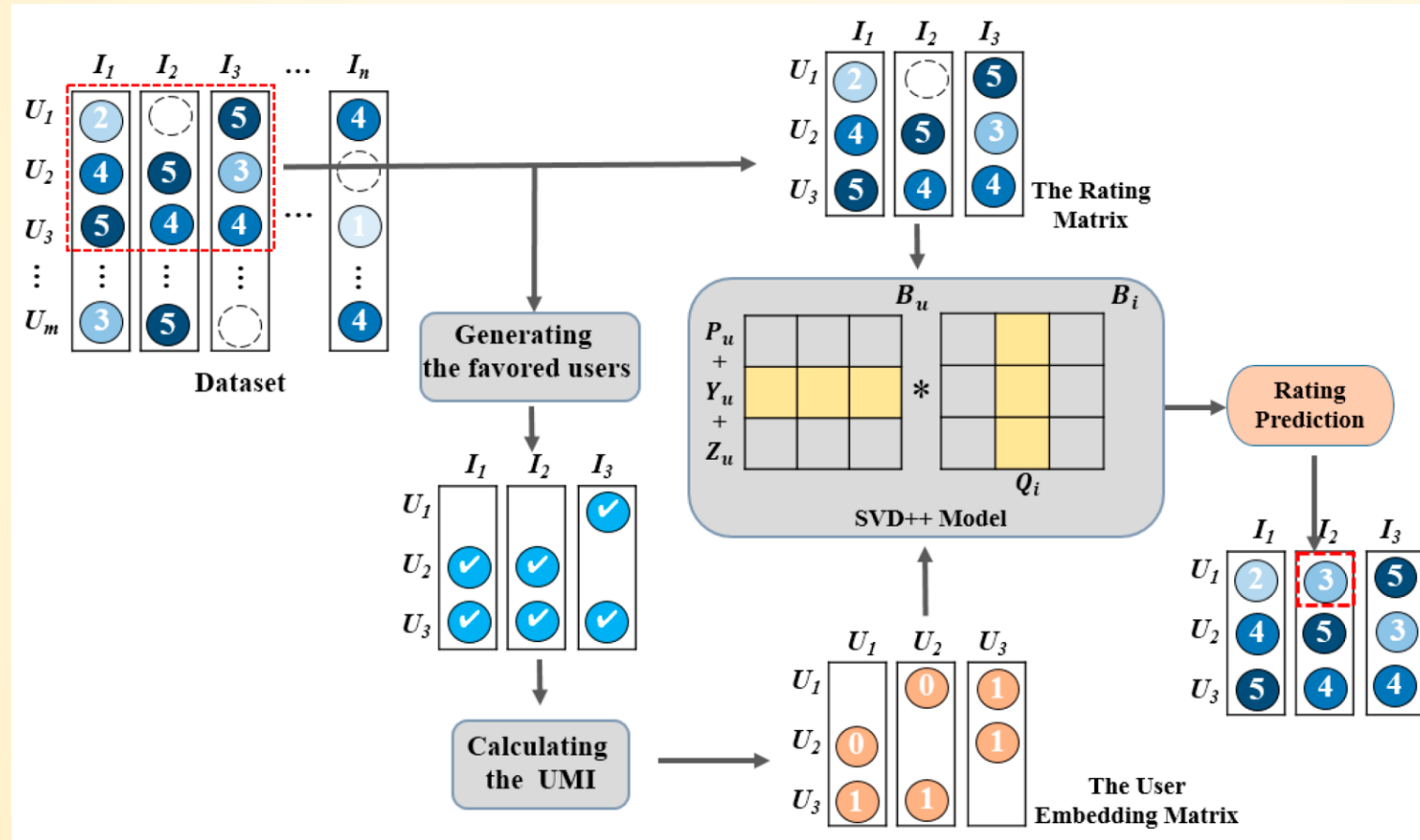
Natural Language Process CountVectorizer



CountVectorizer Evaluation



Singular Value Decomposition (SVD)





Try Recommender!

[Demo](#)

Tools



Streamlit



SciPy



matplotlib



Jupyter

pandas



NumPy

Contact info :

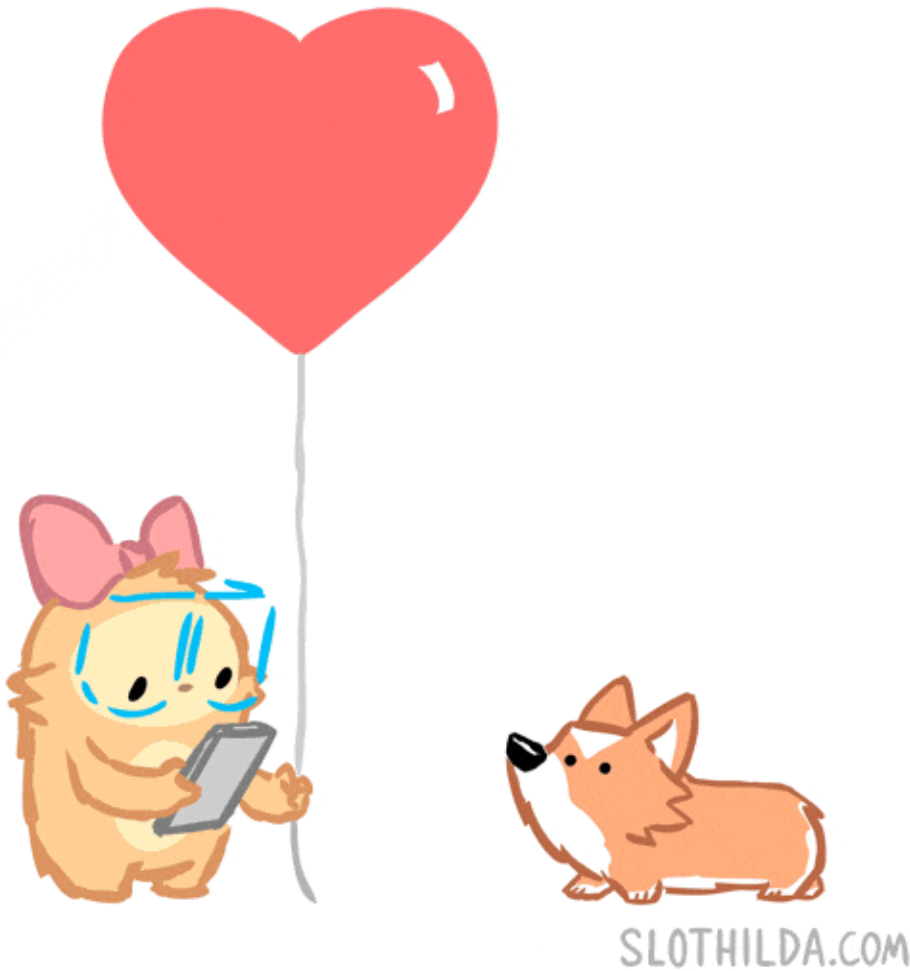


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Thank you.

Questions?