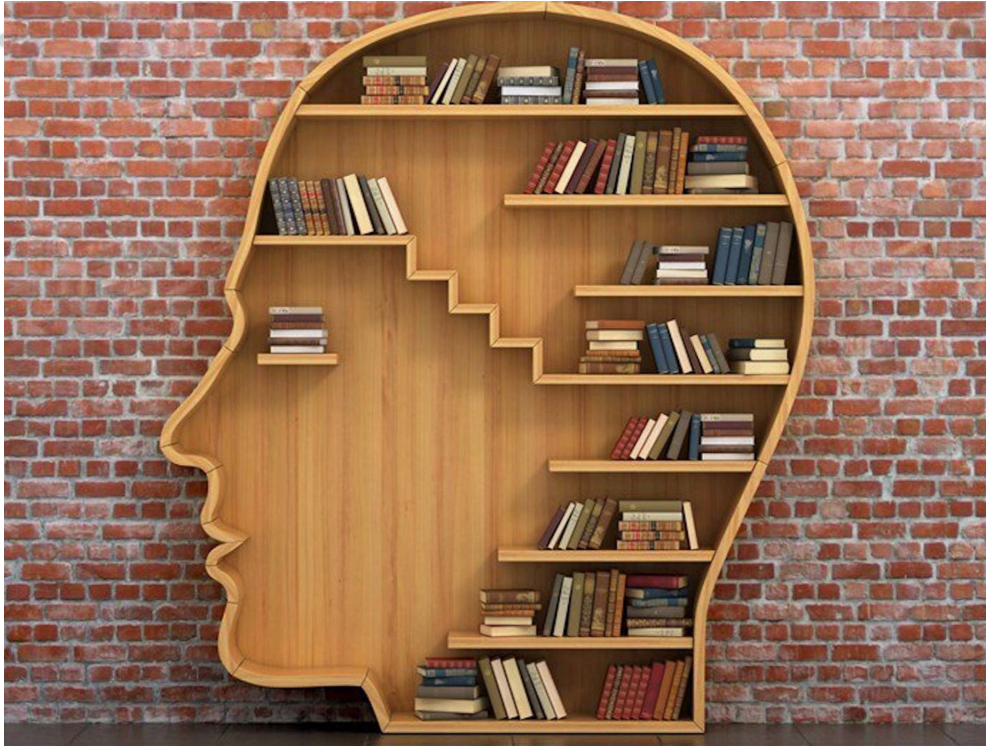


# Books Worth Reading



Sara Zong  
Metis Project 5  
Mar 23<sup>rd</sup>, 2021

# Motivation:

Reading books has many benefits, such as providing mental stimulation, reducing stress, acquiring knowledge...

Before we invest our time to read a book, we may want to know if a book is worthy of our time.

A book recommender could

- ⦿ help readers pick out their reads
- ⦿ increase readers' satisfaction

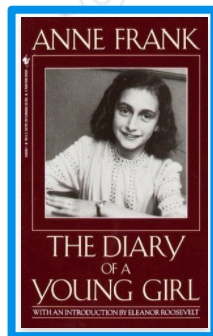
# Tools:



The image displays three logos arranged horizontally. On the left is the Selenium logo, which consists of a dark blue square with a white 'S' and a green checkmark. In the center is the Python logo, featuring two interlocking snakes, one blue and one yellow. On the right is the Goodreads logo, which is a rounded orange square containing a large brown 'g' and a stack of books, with the word 'goodreads' in white text at the bottom.



# Information of the book scraped:



Want to Read

Rate this book



## The Diary of a Young Girl

by Anne Frank, Eleanor Roosevelt (Introduction),  
Barbara Mooyaart-Doubleday (Translator)

★★★★★ 4.16 · Rating details · 2,896,563 ratings · 30,550 reviews

Discovered in the attic in which she spent the last years of her life, Anne Frank's remarkable diary has become a world classic—a powerful reminder of the horrors of war and an eloquent testament to the human spirit.

In 1942, with the Nazis occupying Holland, a thirteen-year-old Jewish girl and her family fled their home in Amsterdam and went into hiding. For the next two years, until their whereabouts were betrayed to the Gestapo, the Franks and another family lived cloistered in the "Secret Annexe" of an old office building. Cut off from the outside world, they faced hunger, boredom, the constant cruelties of living in confined quarters, and the ever-present threat of discovery and death. In her diary Anne Frank recorded vivid impressions of her experiences during this period. By turns thoughtful, moving, and surprisingly humorous, her account offers a fascinating commentary on human courage and frailty and a compelling self-portrait of a sensitive and spirited young woman whose promise was tragically cut short.

--back cover (less)

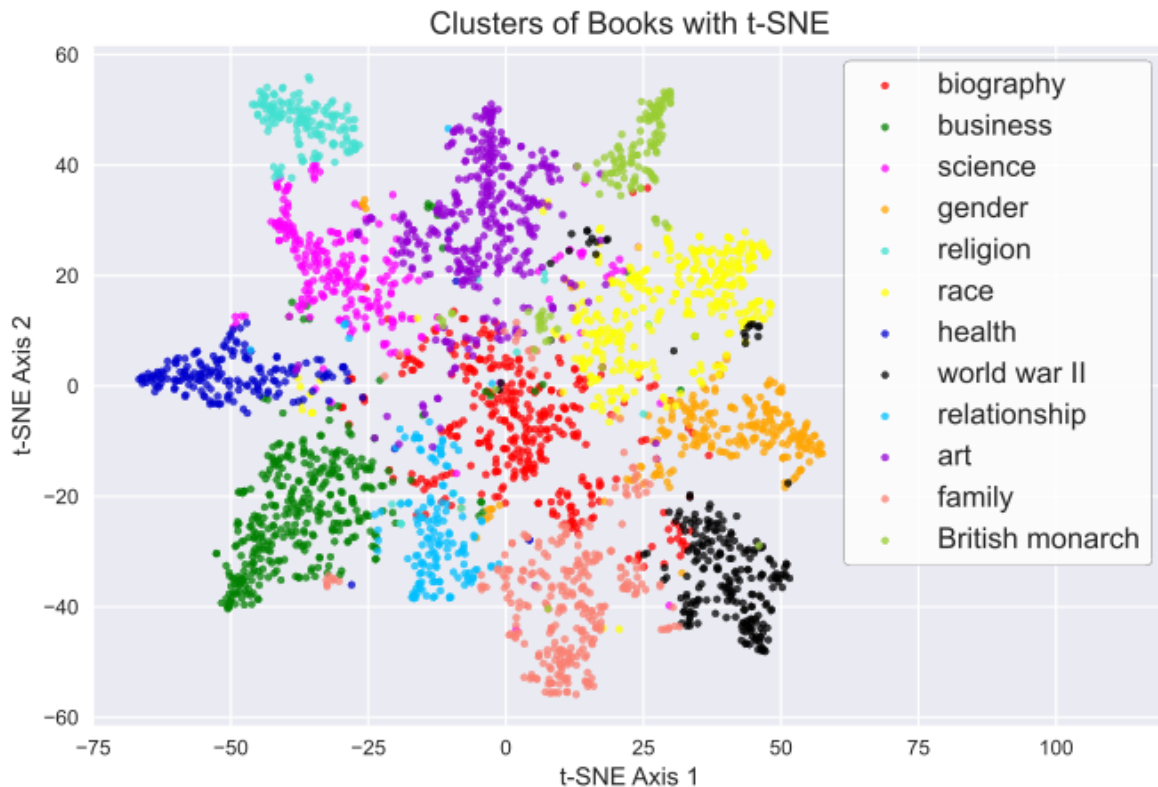
GET A COPY

Amazon

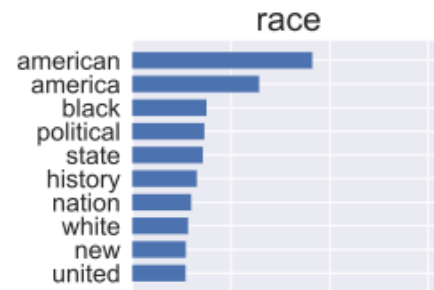
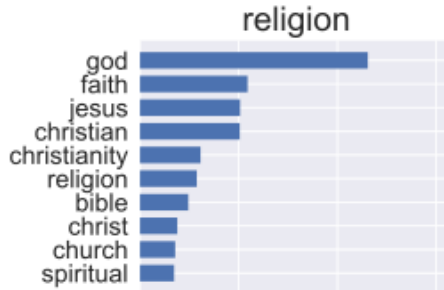
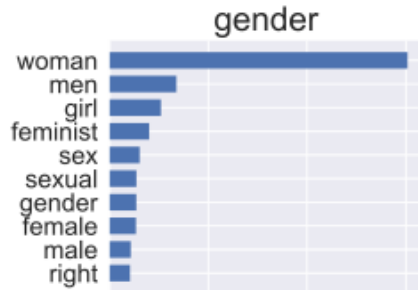
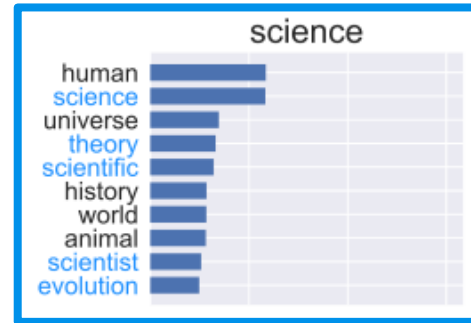
Stores ▾

Mass Market Paperback, US / CAN Edition, 283 pages  
Published July 1993 by Bantam (first published June 25th 1947)

# Topic modeling of book summaries reveals 12 unique topics



# Top words from book summary identify the topics



# GloVe gives more relevant recommendation based on book summary similarity.

When Breath Becomes Air

- ◎ (Topic Modeling) Many Lives, Many Masters: The True Story of a Prominent Psychiatrist, His Young Patient, and the Past Life Therapy That Changed Both Their Lives
- ◎ (GloVe word embedding) Lessons from a CF Cornerman: 38 Lessons I Learned During My Wife's Illness And Lung Transplant

# Recommenders are made interactive with Streamlit

- ◎ Summary-based recommender and
- ◎ A more explorative recommender based on topic and rating of the book



# Streamlit demo

## Recommendations for you based on book summary:

Please enter the full title of a book you enjoy reading:

"Being Mortal: Medicine And What Matters In The End"

How many book recommendation would you like:



The matatching book from the dataset:

```
▼ [  
  0 : "Being Mortal: Medicine And What Matters In The End"  
]
```

Title: Dr. Fred'S Healthcare Rescue: The Real Solution To Healthcare

Rating (scale 0-5): 4.17 ; and Author: Fred F. Hollingsworth

Summary: If Not ObamaCare, Then what? Critics of ObamaCare (The Patient Protection and Affordable Care Act) have not been united in proposing a suitable alternative. The author, Dr.

## Conclusions and next step:

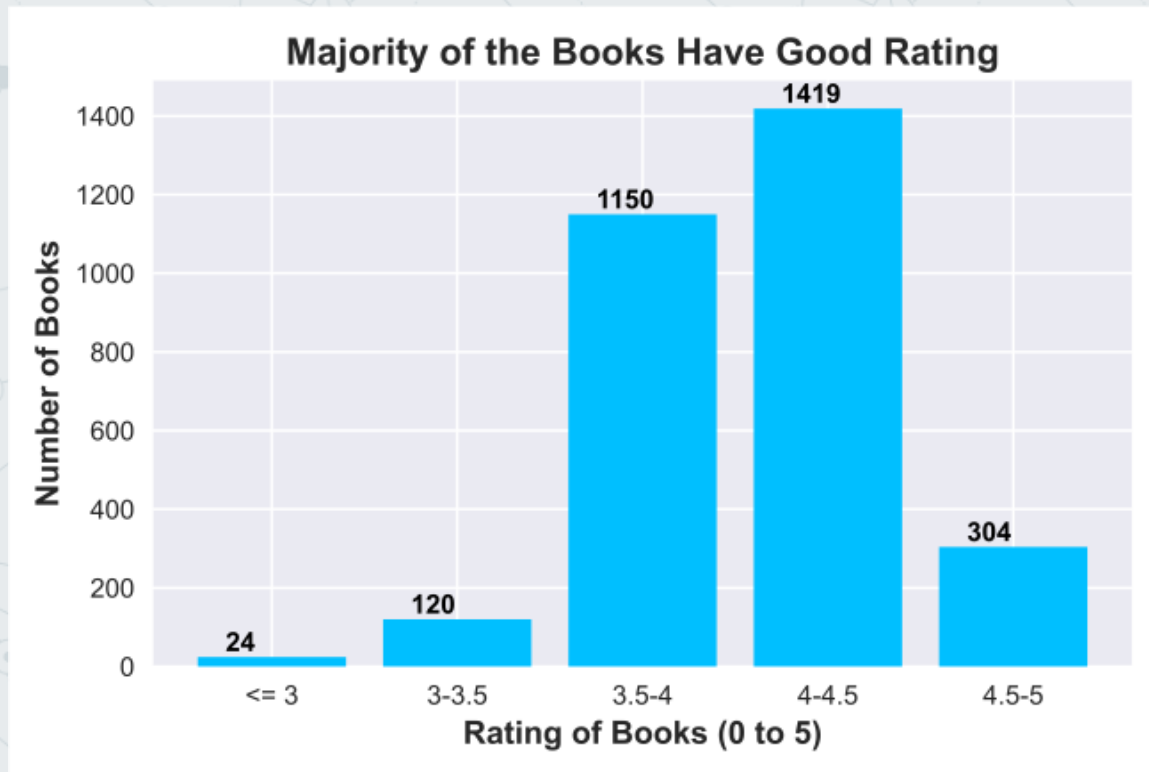
- ⦿ A recommender system can help readers pick out reads
- ⦿ It can be built not only for books, but also for other products
- ⦿ Expand the data set to include fiction and other book genres



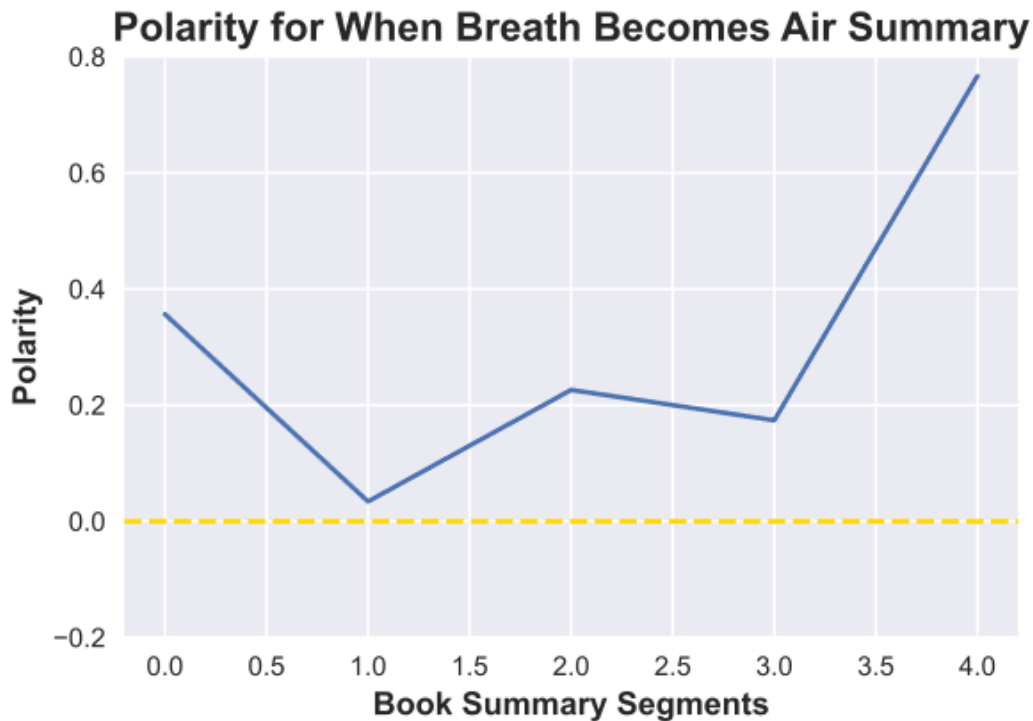
# Thanks!

**Any questions?**

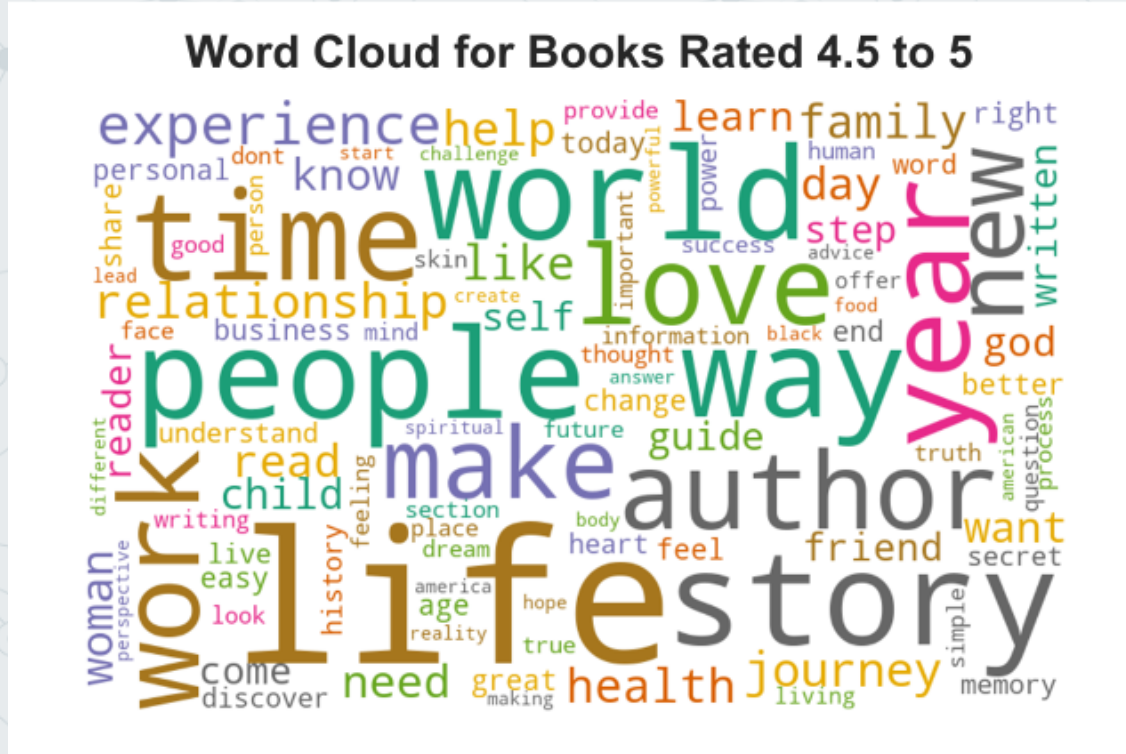
# Appendix:



# Appendix:



# Appendix:



# Credits:

- © [www.goodreads.com](http://www.goodreads.com)
- © [www.slidescarnival.com](http://www.slidescarnival.com)
- © <https://medium.com/the-mission/if-you-only-read-a-few-books-in-2018-read-these-89d03fc149c6>