

Anime Recommender

by Jun Choi

Problem Statement

Anime Recommendations

Write Recommendation

Top > Anime > Anime Recommendations

Anime Recommendations Manga Recommendations User Recs

[1] 2 3 ... 20

If you liked
5-toubun no Hanayome

add

...then you might like
5-toubun no Hanayome ㊦

add

its the sequel

Anime rec by darkos88 - 1 hour ago

report

If you liked
91 Days

add

...then you might like
Banana Fish

add

Both anime is about a dude with tungsten ball trying to take down mafia boss for revenge.

Anime rec by Immortal05 - 1 hour ago

report

If you liked
Yuru Camp Δ

add

...then you might like
Sora yori mo Tooi Basho

add

If you're looking for anime that are
- relaxing
- funny
- wholesome

Anime rec by Immortal05 - 2 hours ago

report

If you liked
Ansatsu Kyoushitsu

add

...then you might like
Youkoso Jitsuryoku Shijou Shugi no Kyoushitsu e (TV)

add

Both are elite school that the class (ClassD and ClassE) can't do whatever they want. Both are class that their degrees aren't same with the other class.
Both are the main character want to reach Class A.

Anime rec by peachytomori - 2 hours ago

report

If you liked
Diamond no Ace

add

...then you might like
Haikyuu!!

add

Both great sports anime that show the aspiration of an underdog on a team sport. I do like Ace of Diamond a bit more because I like baseball but they both make me want to play sports professionally.

Anime rec by Swaler - 5 hours ago

report



If you liked



...then you might like

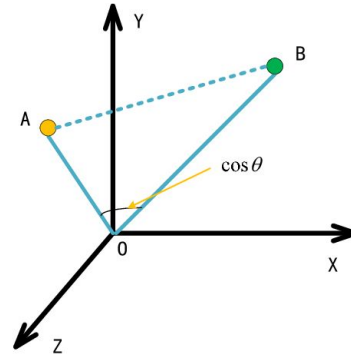
Methodology



Data Collection



Data Clean / Preprocess



Recommenders



Flask

App

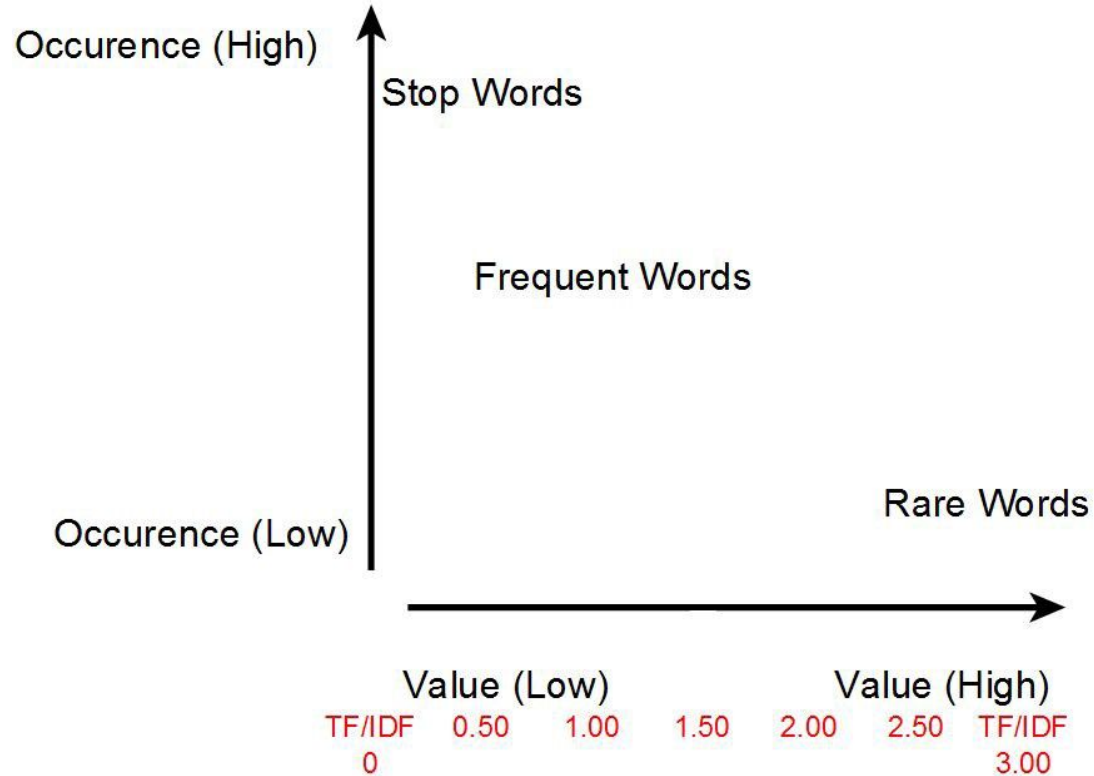
Data Collection



- jikanpy (Python wrapper for Jikan API, unofficial MyAnimeList API)
- <https://github.com/abhinavk99/jikanpy>

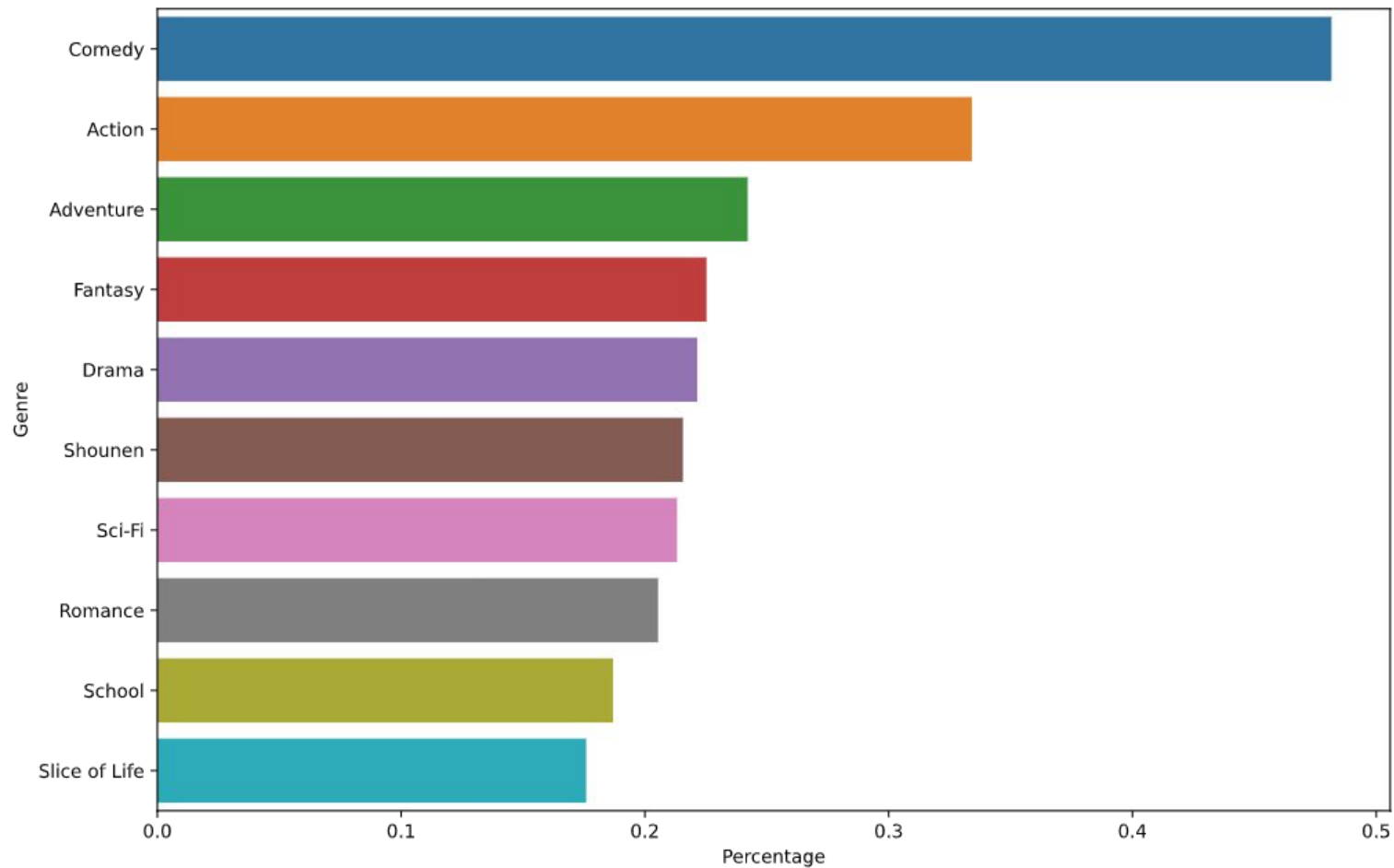
- Number of Anime Titles: 3,729
- Number of Unique Users: 24,575
- Number of User Reviews: 3,894,501

Data Cleaning / Preprocessing

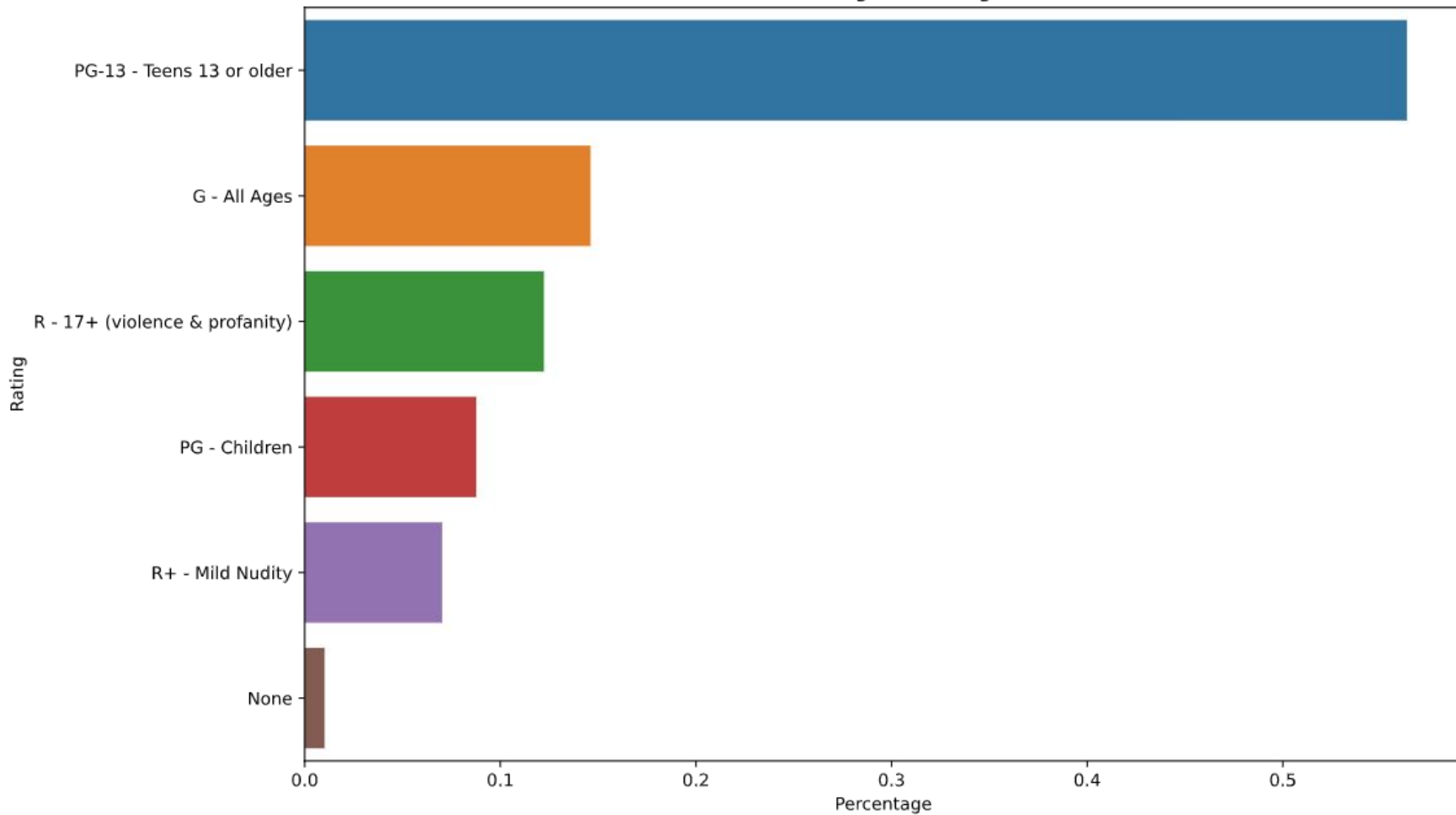


EDA

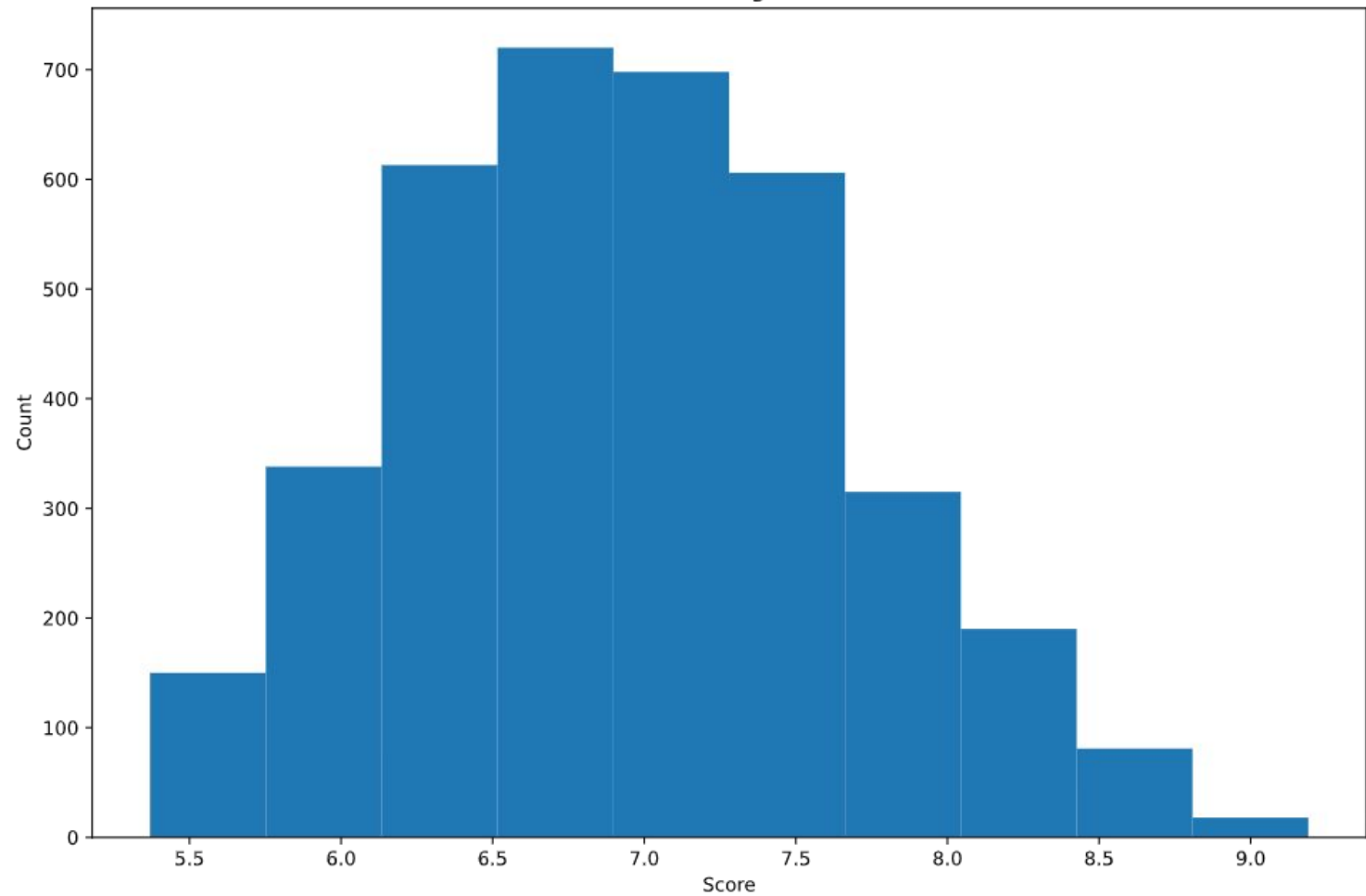
Top 10 Genres (by Percentage)
Total Number of Animes: 3729



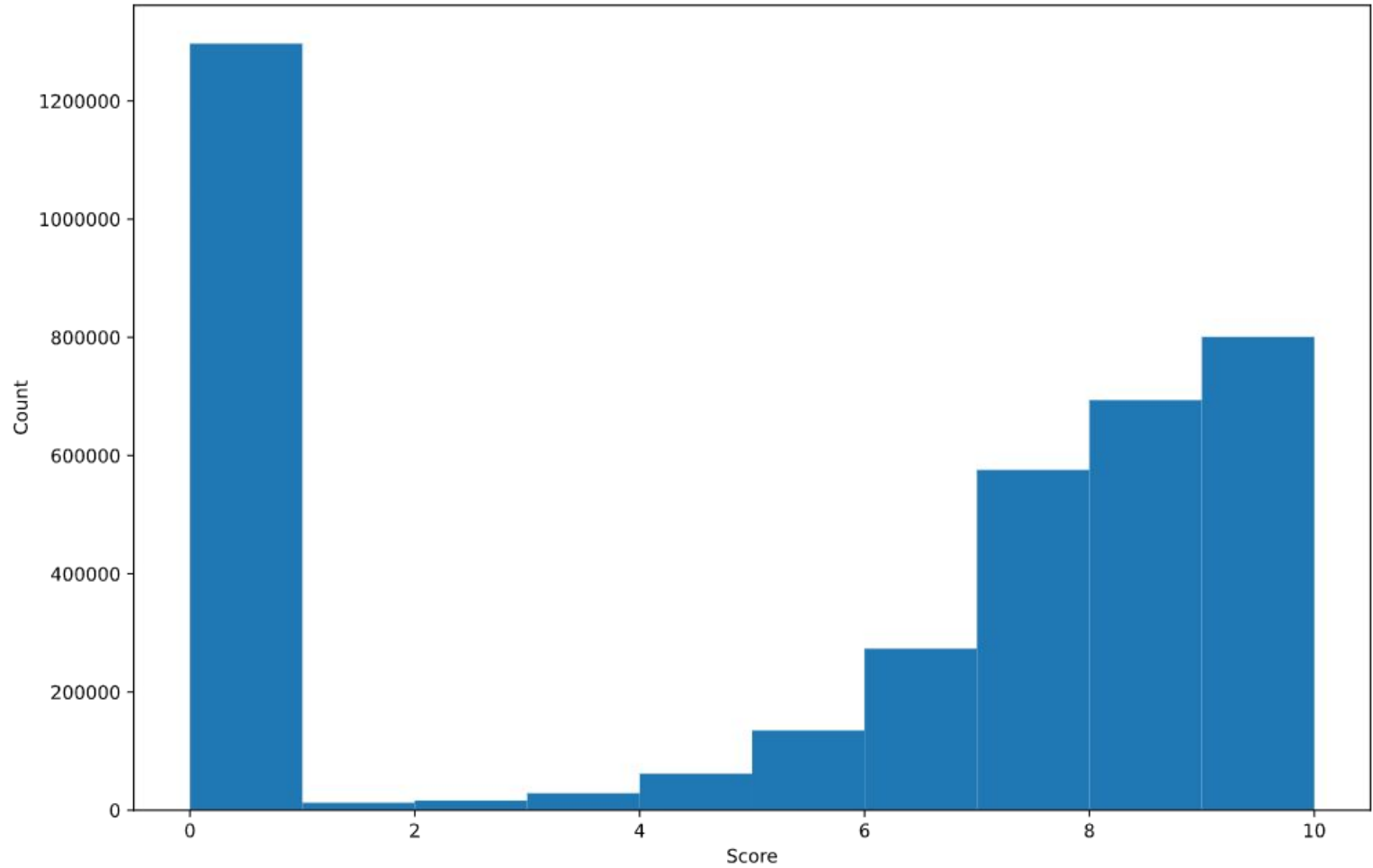
Percentages of Ratings



Distribution of Average Anime Scores



Distribution of User Scores



Modeling

Content-based vs. Collaborative Recommender

Content-based recommender

The screenshot shows the MyAnimeList page for 'Fullmetal Alchemist: Brotherhood'. It includes the anime's cover art, a synopsis, background information, and a list of episode thumbnails. A red box highlights the 'Information' section at the bottom left, which contains details such as the anime's type (TV), number of episodes (64), status (Finished Airing), and broadcast schedule (Sundays at 17:00 JST).

Collaborative recommender

	User 1	User 2	User 3	User 4
Fullmetal Alchemist	10	9	7	N/A
Shingeki no Kyojin	7	N/A	8	9
Steins;Gate	10	8	8	6

$$\cos \theta = \frac{\vec{a} \cdot \vec{b}}{\|\vec{a}\| \|\vec{b}\|}$$

$$\|\vec{a}\| = \sqrt{a_1^2 + a_2^2 + a_3^2 + \dots + a_n^2}$$

$$\|\vec{b}\| = \sqrt{b_1^2 + b_2^2 + b_3^2 + \dots + b_n^2}$$



WHY NOT BOTH?

Flask App Demo