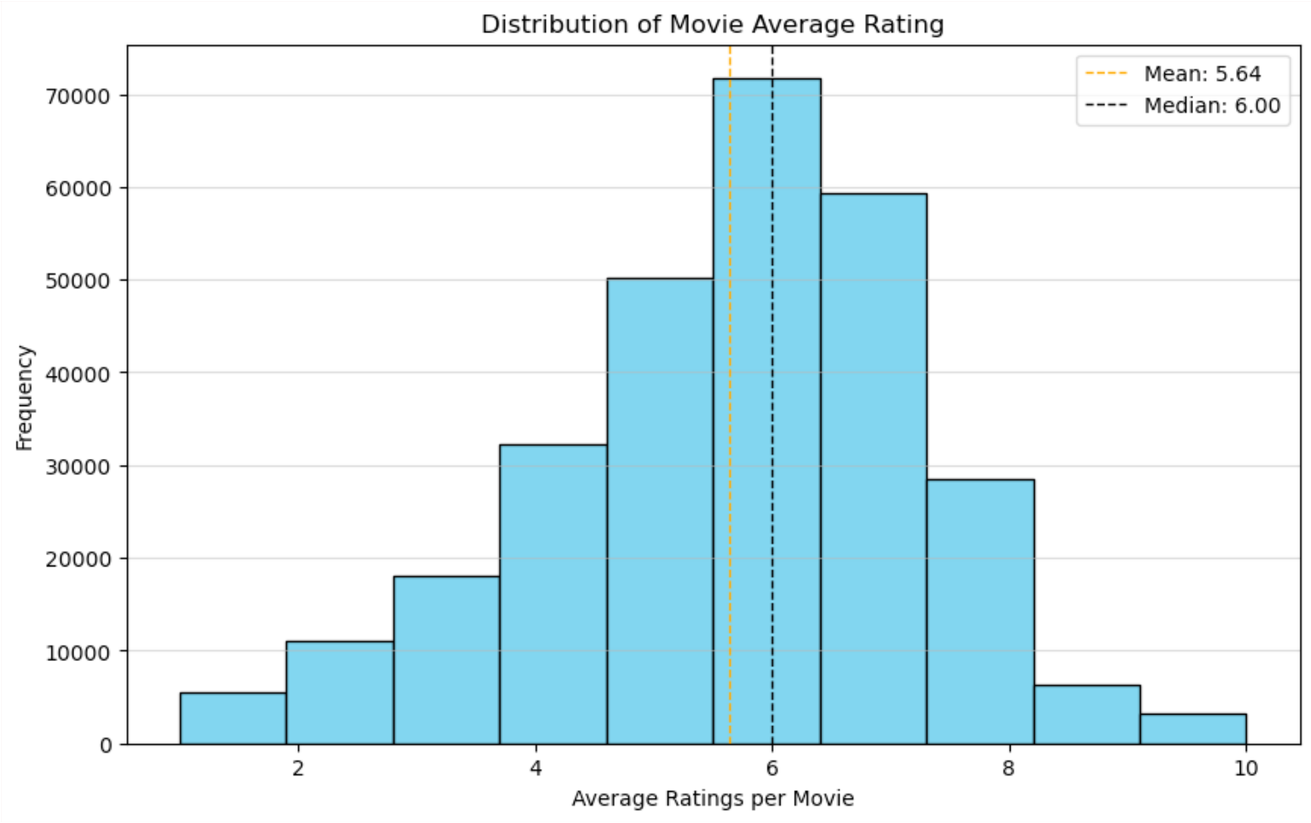
SPRINT 2

LETTERBOXD MOVIE RECCOMENDER

Cole Beevor- Potts

Problem & Solution



FINDING A MOVIE

That isn't terrible and doesn't take 45 minutes to find.

MOVIE RECCOMENDER

A personalized movie recommender that puts your tastes first.

Dataset & Pre-Processing

FEATURE ENGINEERING

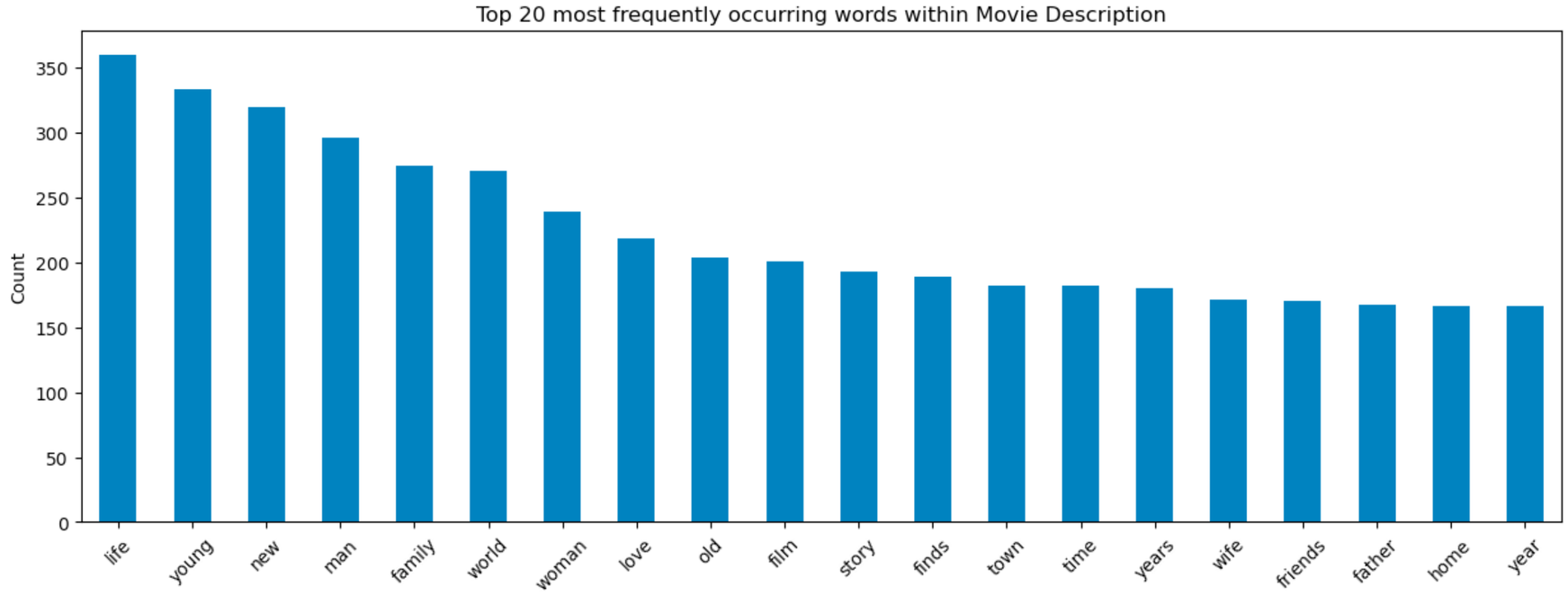
Average rating & ratings Count (from 2 tables)

TF_IDF VECTORIZER

Movie description

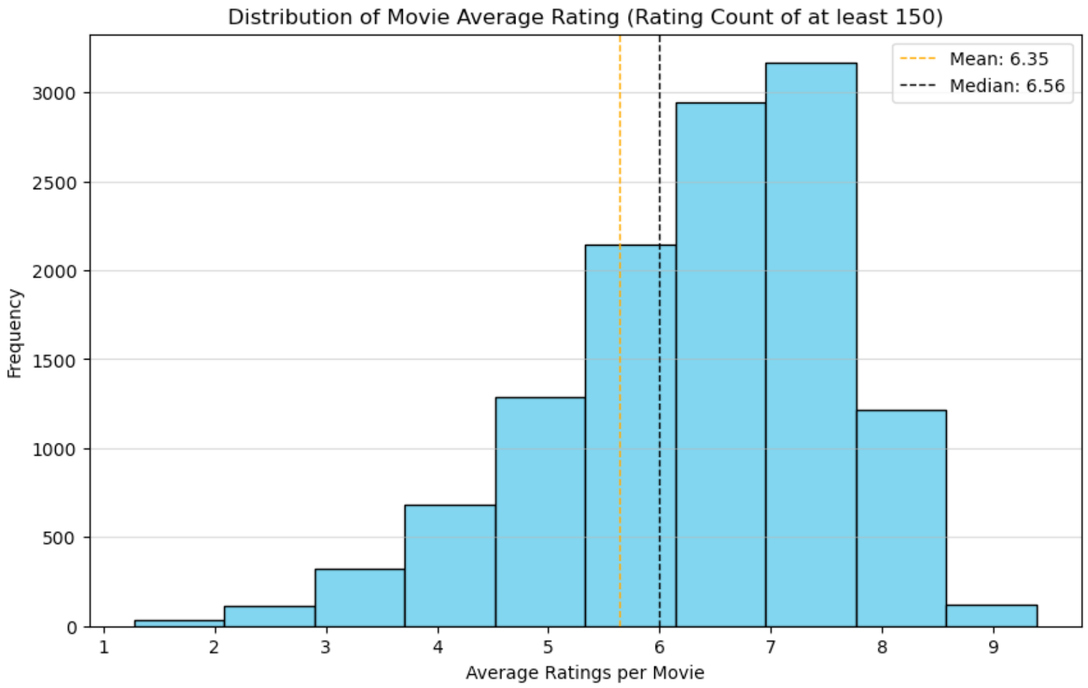
MULTI LABEL BINARIZER

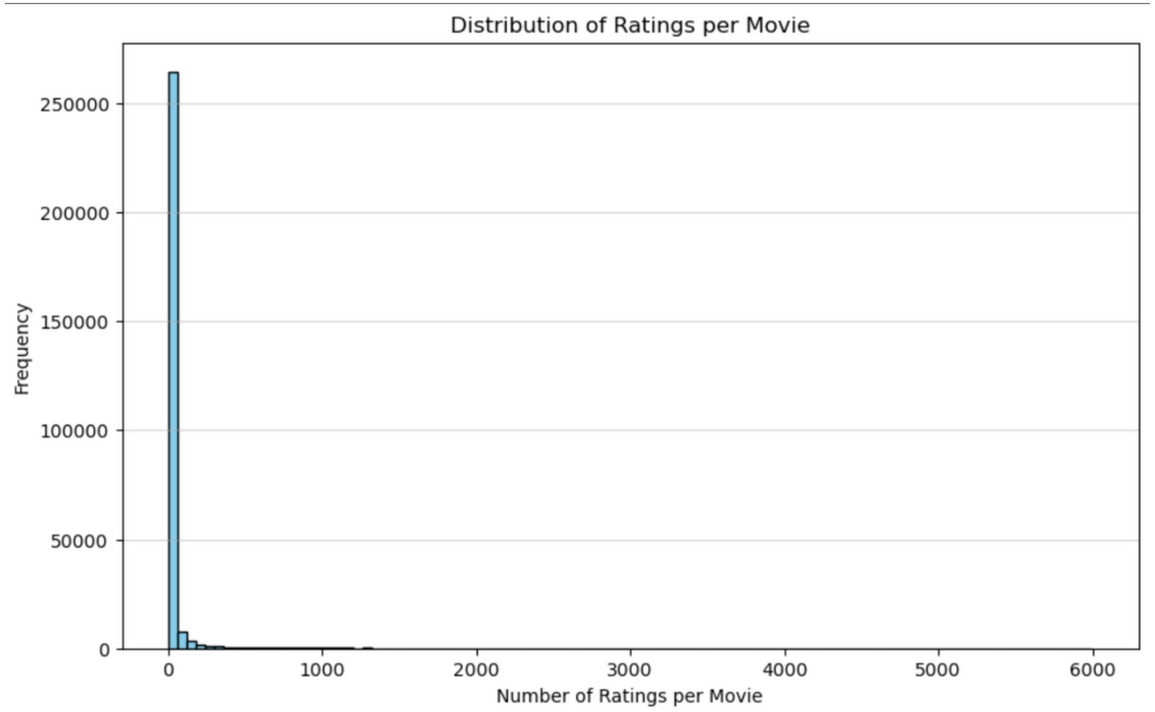
Genres



EDA Key Insights

- TRIM THE FAT
  260k movies to 12k
- FOREIGN LANGUAGE MOVIES
- LACK OF REVIEWS PER MOVIE





Baseline

- NEAREST NEIGHBOUR
- UNSUPERVISED
- COSINE SIMILARITY AS METRIC
- QUALITIATIVE EVALUATION

genres	movie_id	original_language	overview				
[Comedy, Family, Fantasy]	elf	en	When young Buddy falls into Santa's gift sack ...	[Comedy, Thriller, Drama]	after-hours	en	An ordinary word processor has the worst night...
[Drama, Fantasy, TV Movie, Family]	a-christmas-carol-1984	en	An old bitter miser who makes excuses for his ...	[Romance, Comedy]	let-it-snow-2019	en	When a huge blizzard (that doesn't show signs ...
[Comedy, Drama]	the-trip-to-greece	en	Steve Coogan and Rob Brydon continue their tra...	[Fantasy, Drama, Romance]	edward-scissorhands	en	A small suburban town receives a visit from a ...
[Animation]	steamboat-willie	en	Mickey Mouse, piloting a steamboat, delights h...	[Animation, Family]	barbie-in-the-nutcracker	en	"Barbie" stars as Clara in this animated retel...

Next Steps

- COLLABORATIVE FILTERING
- SUPERVISED MODEL
- ROOT MEAN SQUARE EVALUATION