



Some problems to tackle

①

In terms of grocery website a user always buying milk should not get recommended other milk brands only (some should be allowed if user starts disliking that milk brand).

Instead he should be recommended with products which other user might buy along with milk.

Design Patterns / Terms for recommender system

- Embeddings
- Ensemble
- Multilabel
- Transfer Learning
- Feature Store
- Hashed Feature
- Reframing
- Transform
- Windowed Inference
- Two-Phase Predictions
- Neutral Class
- Multimodal Input
- Batch Serving

Use Model Based Collaborative Filtering



Link : <https://www.kaggle.com/code/saurav9786/recommender-system-using-amazon-reviews>

Dashboard Using Customers Event History Dataset

→ graph plot
Show the top 5/10/20 viewed products
↳ dropdown

Similarly the top 5/10/20 bought products

Trending products list Top 10

Total numbers of orders v/s time, line
chart.

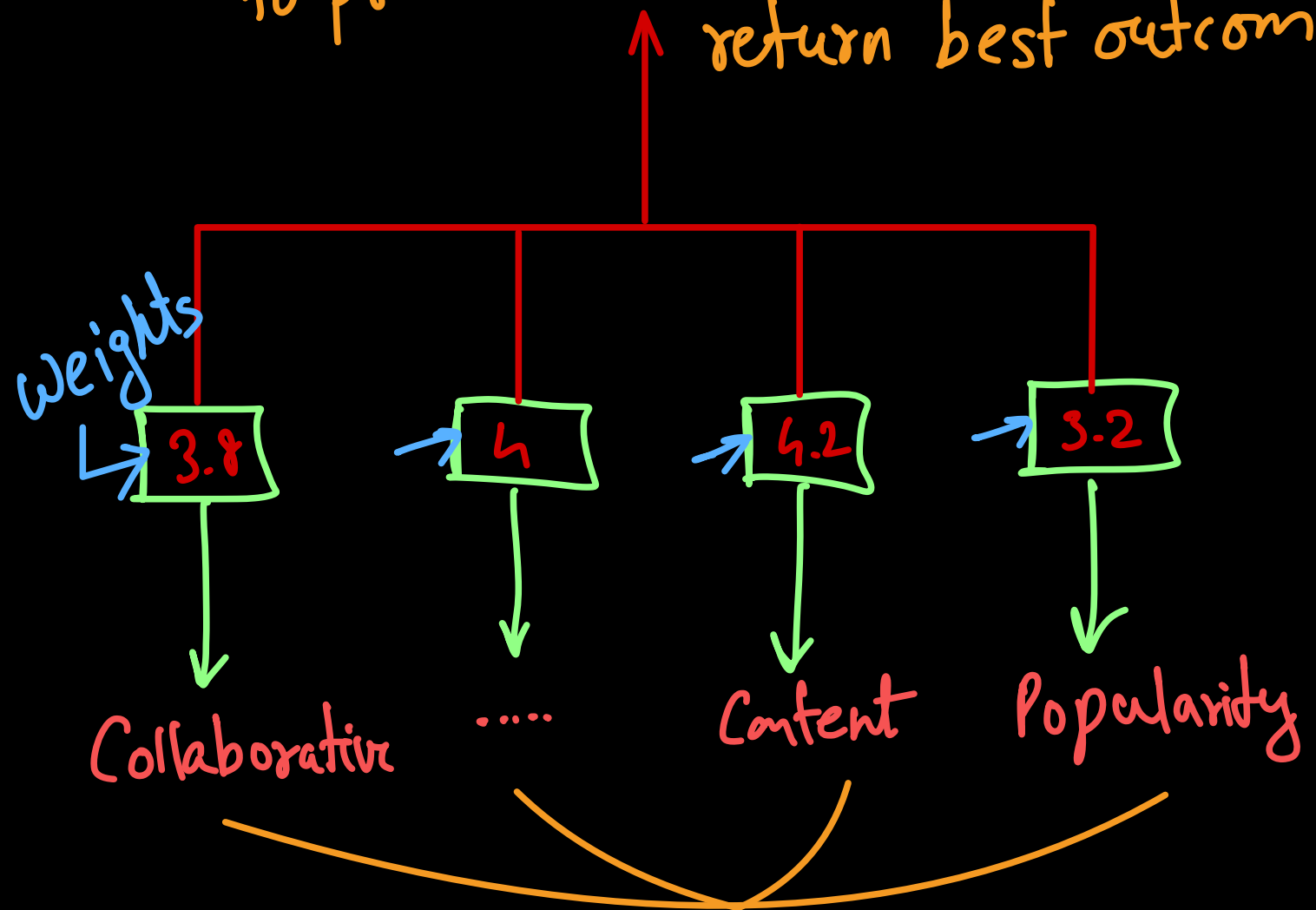
Particular Product is clicked, it shows the

[use django Base Templates feature
(example the navbar) to simplify this feature]

1. orders trend over the time period
2. Product excitement / trend i.e no. of views
& no. of cart add.
3. Product info / details
- 4.

Hybrid Recommender System

Use machine learning model
to predict the value of weights to
return best outcome



then rank them according to the
value calculated using
their assigned weights