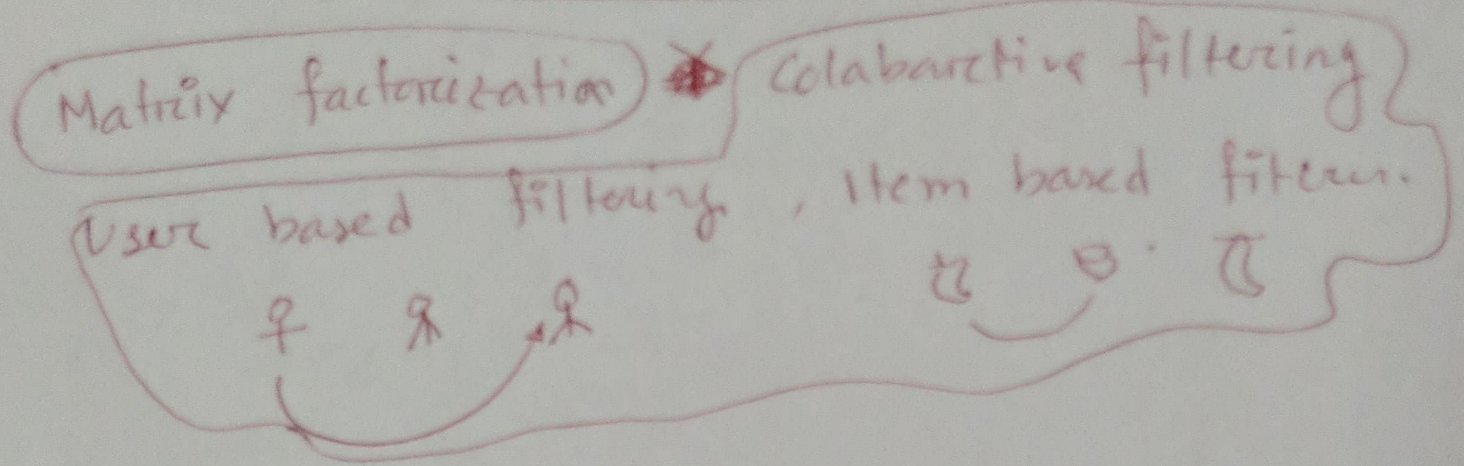


KNN

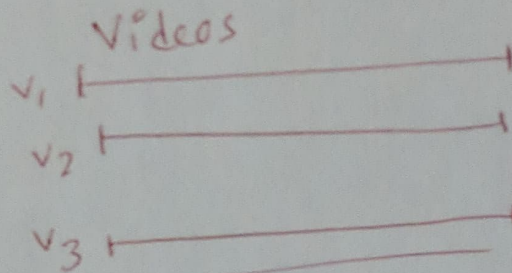
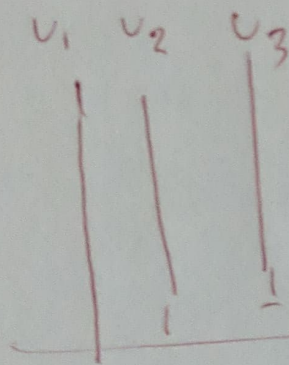
We collect user engagement data using kafka to construct training data

Locality Sensitive Hashing → KNN

Video Recommendation System



Embedding Model



Bucketing Users

feature vector

Same space

Edge Case

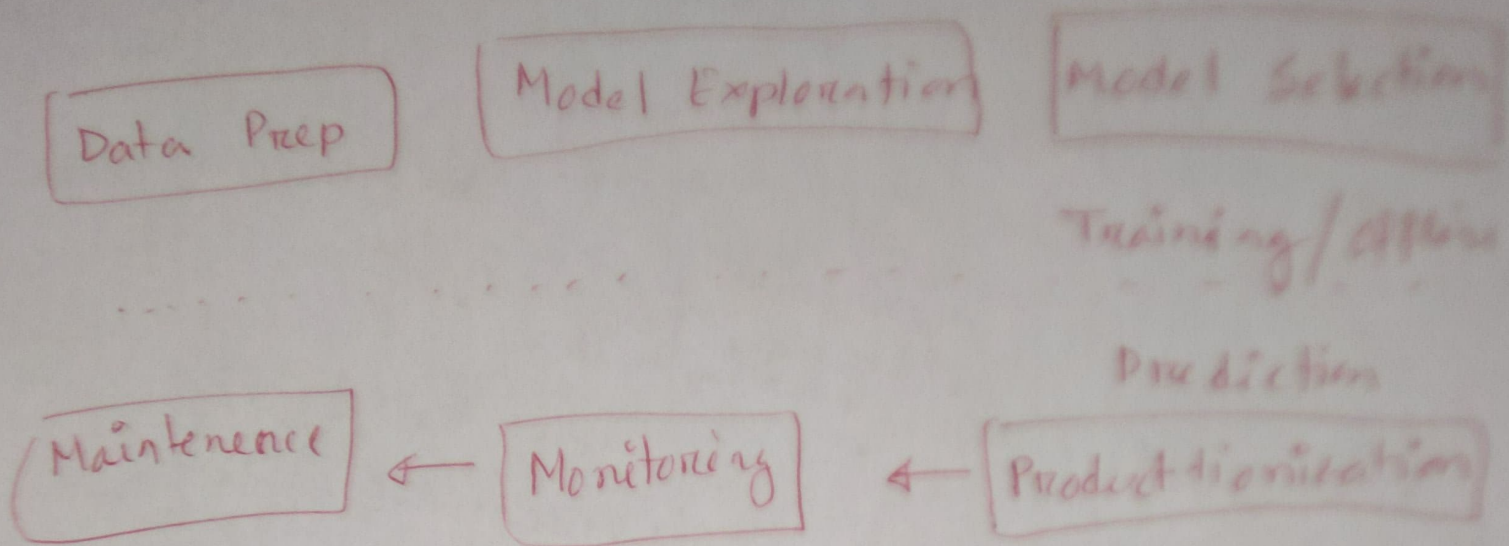
new users | \leftrightarrow [Billion Users]

Two pass

① Top matched ranking model

② fine, grain match model

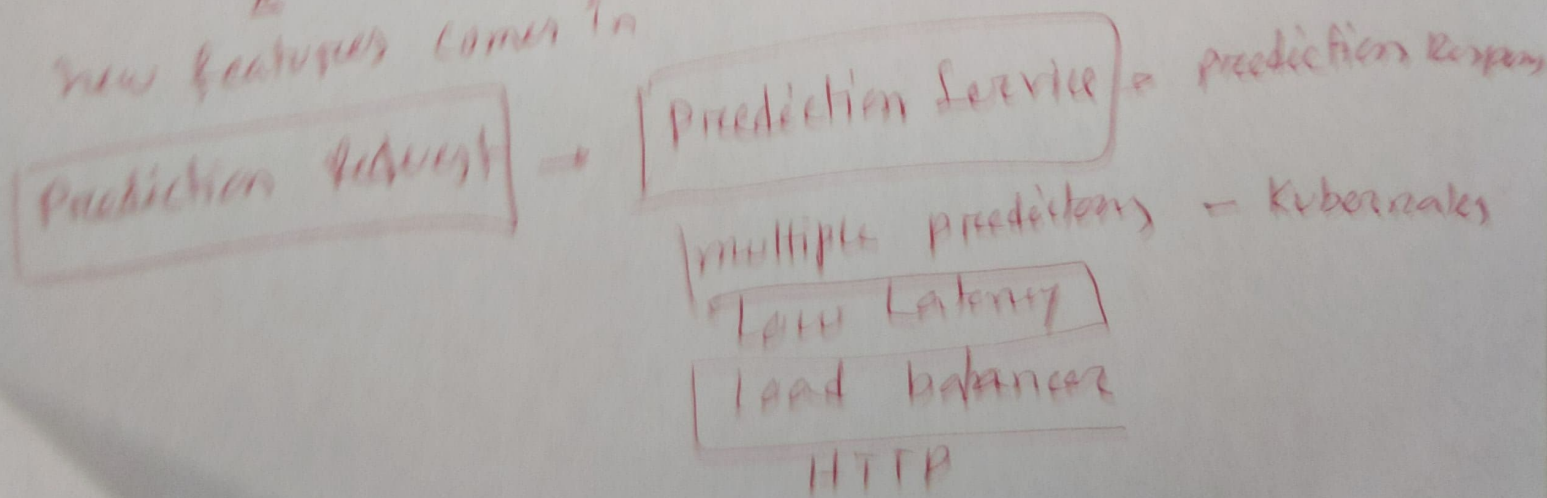
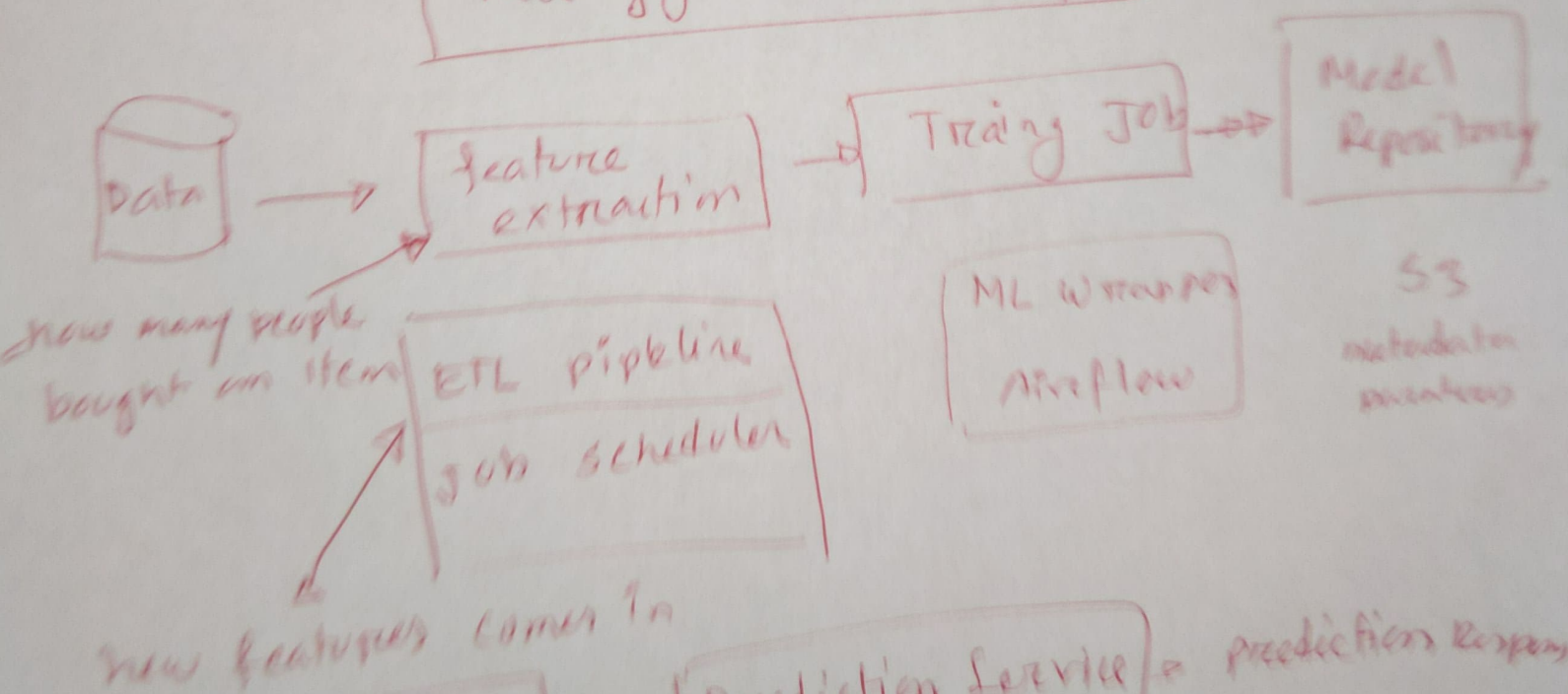
Dashboard

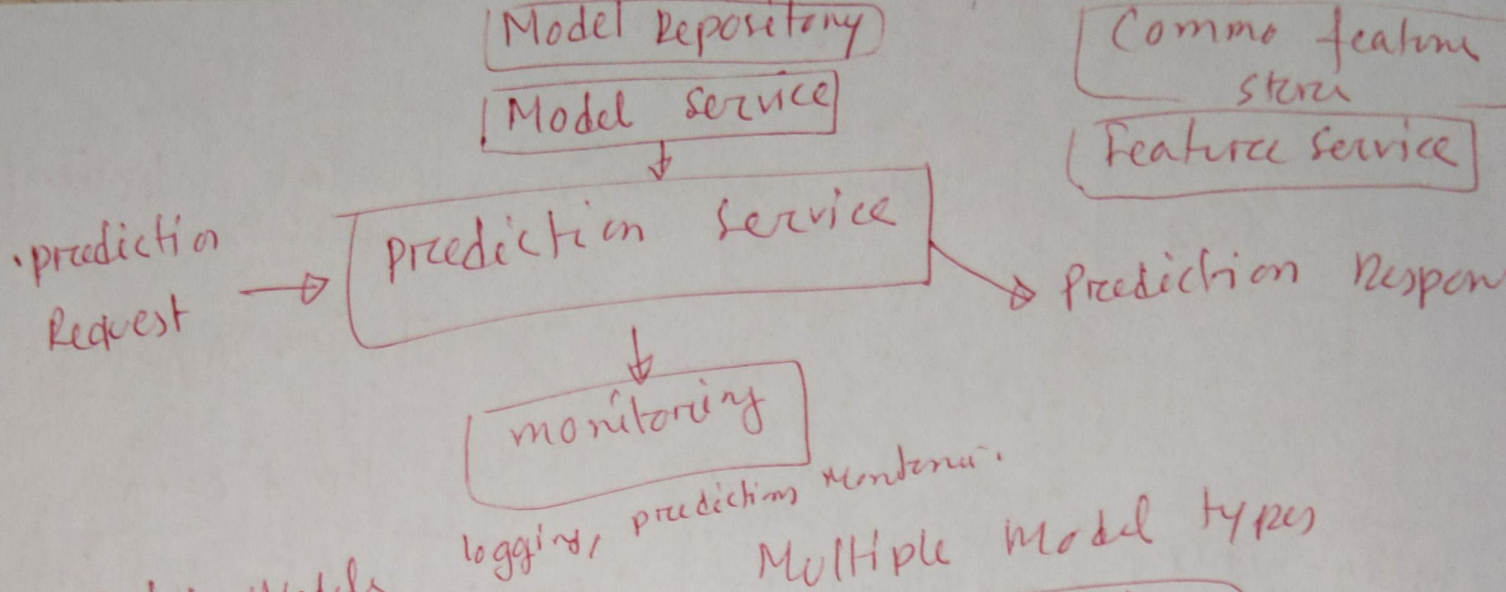


Align

Model agnostic

Training Pipeline





Common features
Feature Service

Fetch Models
caching layer
Rollout Control
shadowing
Experimentation

Multiple Model types
Ensembling

2×2
3

