Collaborative filtering:

1. Matrix representation (negative values??)
2. SVD

WALS

SGD

* Initialization
* SGD harder to handle unobserved entries

1. CF (WALS):

Apply embedding on New item

Side feature wals

1. Deep NN

* Representation?
* Negative sampling

1. CF vs Deep NN

A screenshot of a computer

Description automatically generated

1. Retrieval

* Score offline
* Scalable Nearest Neighbors

1. Scoring

* Metrics (click, watch time)
* Position-independent rankings