Information Sources

User-side Signals

- Interaction History
- User Profiles
- Contextual Behavior

Item-side Signals

- Item Content
- Metadata
- Categories

Modeling Paradigms

Point-based

MF
NCF
NeuMF
⋮

Sequence-based

GRU4Rec
SASRec
BERT4Rec
⋮

Graph-based

GCMC
NGCF
LightGCN
⋮

Distribution-based

PMF
Multi-VAE
DiffRec
⋮

Recommendation Outputs

- Rating Prediction (scalar score)

- Top-K Ranking (ordered item list)