Related Work
Recommender System

- General Recommender Systems

  - Matrix factorization (MF), Bayesian personalized ranking (BPR)

  - Collaborative Metric Learning (CML), Symmetric metric learning (SML)

- Sequential Recommender Systems

  - Caser (base on CNNs), Hierarchical gating network(HGN), SASRec (Self-attention)

Proposed Method
Collaborative Representation Learning with Interest Sustainability (CRIS)

- First demonstrate how to obtain the interest sustainability score (ISS) that quantifies how much users' interest in items will sustain in the future.

- Then based on the obtained ISS, we propose a metric learning framework for capturing the concept drift of users.