

GraphSASRec

Ideas:

- * Improve next item prediction task with topological information.

Method:

- * Build heterogeneous graph.
- * Learn complex graph representations of items in heterogeneous network.
- * Link-prediction loss:

$$\begin{aligned} & - \sum_{e \in G} (\log \sigma(f(e))) + \\ & + \sum_{e' \in N(e)} \log \sigma(1 - f(e')) \end{aligned}$$

- * Reuse freeze graph vectors in SASRec.

