

## Data and Configuration Management

Data Collector

Dataloader

Data Sampling

Graph Path Sampling

Path Validation

Dataset Standardization

Raw Dataset

Configuration Management

Training

Training

Experiment

## Model

Knowledge-Aware  
Recommenders

Path Reasoning  
Recommenders

Knowledge Graph  
Embeddings

General Recommenders

Sequential Recommenders

Context-Aware  
Recommenders

## Evaluation

Path Quality Evaluation

Utility Evaluation

Link Prediction

Beyond Accuracy Evaluation

Serendipity

Novelty

## Utilities

Explanation Visualization

t-Stochastic Neighbor Embedding

Evaluation from Checkpoint

Resuming training from Checkpoint

Tuning

Optuna