

Data and Configuration Management

Data Collector

Dataloader

Dataset Preprocessing

Data Sampling

Graph Path Sampling

Path Validation

Dataset Standardization

Raw Dataset

Configuration Management

Training

Evaluation

Experiment

Dataloader Checkpoint

Dataset Checkpoint

Hyperparameters Search

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
Embeddings

Evaluation from
Checkpoint

Resuming training from
Checkpoint

Tuning

Optuna

Ray

Hyperopt

Command Line
Yaml File
Parameters Dict

Configuration
Object

Dataset
Object

Dataloader
Object

Data
Preprocessing

Model
Object

Trainer
Object

Metric
Objects