EvalNE Dashboard

A Python library for evaluation network embedding methods.

Dashboard

Dashboard
Monitoring
Runs
Results

Global and Edge Sampling Parameters

Evaluation task: Link prediction
Num edge splits: 5
Edge embedding method: Average
LP model: LogisticRegressionCV
Embedding dimensionality: 128
Evaluation timeout: 0
Seed: 42
Train-test fraction:
Train-valid fraction:
Split algorithm: Spanning tree
Negative sampling: Open world
Negative edge ratio: 1:1

Networks and Preprocessing

Network names: Insert network names separated with blanks...
Network edgelist paths: Drag and Drop or Select Edgelist Files
Network node label paths: Drag and Drop or Select Node Label Files
Network type: Directed
Separator per edgelist file: Insert separators with banks...
Comment char per edgelist file: Insert comment chars with banks...
Network preprocessing: Relabel nodes (0..N), Remove selfloops
Save network, Write stats
Preprocessed edgelist delimiter: Comma

Baselines and NE Methods

Baseline methods: Common Neighbours, Jaccard Coefficient, Adamic Adar, Cosine Similarity, Resource Allocation, Preferential Attachment, LHN Index, Topological Overlap, Random Prediction, Katz exact, Katz approx, All Baselines
Neighbourhood type: In-Out

- NE method 1:

Method type: Other
Method name: Insert method name...
Embedding type: Node embedding
Method input edgelist: Write weights, Write both dir
Method command line call: Insert cmd call (e.g. ./venv/bin/python main.py --input {} --output {} --dim {})
Tune hyperparameters: Insert hyperparameters to tune (e.g. --p 0.5 1 --q 1 2)
Input delimiter: Comma
Output delimiter: Comma

+ Add method

Metrics and Plots

Metric to maximize: AUC
Scores to report: All
Curves to compute: ROC
Precision@k values: K values for Prec@k (e.g. 1 10 1

Run Evaluation