

Data preparation

Data formatting & cleansing

Splitting into time classes

Data processing

Network embedding learning

Generate semi-random walks

Form ordered sequences

Local structures & time

Local & global structures

Local & global struc. & time

Feature extraction

Feature learning

Feature learning

Feature learning

Dimensionality reduction

Produce low-dimensional embeddings with UMAP

Produce low-dimensional embeddings with t-SNE

Produce low-dimensional embeddings with PCA

Cluster analysis

k-maens

HDBSCAN

Result evaluation

k-maens clustering evaluation

HDBSCAN clustering evaluation

Overall comparison

