

Public Datasets

- SNAP, Kaggle, Gephi
- Network Repositories

External Sources

- API, Firehose
- Database Exports
- Synthetic graphs

Network Loading

- Data representation
- Data ingestion
- Data enrichment

Legend



Data Sources



Data Processing



Output

Collection

Curation

Data Management

- Data structures
- Graph persistence
- Graph databases

Pipeline
Analysis

Network Exploration

- Centrality measures
- Similarity measures
- Structural properties

Network Analytics

- Community detection
- Graph completion
- Social recommendation
- Information diffusion
- Graph mining

Network Visualization

- Plots
- Data distributions
- Pattern highlighting

Deliverables

Insights & Analysis

Patterns, communities, influencers, recommendations.
predictions, performance, benchmarking, limitations