Node types - Single Edge types – Single Labels – No

1. "Link Prediction and Recommendation across Heterogeneous Social Networks"
   2012 IEEE 12th International Conference on Data Mining

2. "Link Prediction in Multi-relational Collaboration Networks"
   2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining

Node types - Single Edge types – multiple Labels – No

1. "Multi-Relational Link Prediction in Heterogeneous Information Networks"
   2011 International Conference on Advances in Social Networks Analysis & Mining
   Work in Brief: Link prediction is evaluated for each edge type x separately on all eligible node pairs (s; t).

2. "The Link Prediction Problem for Social Networks"
   Proceedings of the twelfth international conference on Information and knowledge management – 2003

3. "Inferring Social Ties across Heterogenous Network"
   WSDM '12 Proceedings of the fifth ACM international conference on Web search and data mining

Node types - multiple Edge types – multiple Labels – No

1. "Link Prediction in Heterogeneous Networks: Influence and Time Matters"

2. "Biomine: predicting links between biological entities using network models of heterogeneous databases"

3. "Co-Author Relationship Prediction in Heterogeneous Bibliographic Networks"
   Advances in Social Networks Analysis and Mining (ASONAM), 2011 International Conference on

Node types - Single Edge types – single Labels – Yes

1. "Multi-Label Classification by Mining Label and Instance Correlations from Heterogeneous Information Networks"(separate graphs)

KDD '13 Proceedings of the 19th ACM SIGKDD international conference on Knowledge discovery and data mining

Dataset: 1. Gene as nodes disease as labels

2. "Multi-label Collective Classification using Adaptive Neighborhoods"

Machine Learning and Applications (ICMLA), 2012 11th International Conference on

Dataset: DBLP: authors as nodes and labels as research areas

3. "Heterogenous network embedding using deep architectures"(this is used for **link prediction**)

KDD '15 Proceedings of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining

Node types - Single Edge types – Multiple Labels – Yes

1. "Activity-edge Centric Multi-label Classification for Mining Heterogeneous Information Networks"
KDD '14 Proceedings of the 20th ACM SIGKDD international conference on Knowledge discovery and data mining

Dataset : DBLP- labels: research areas, nodes – authors, edges – conference area