TAGLAS

Existing graph datasets

Citation network   Recommendation graph   Molecular graph

Gene network   E-commercial graph   Social network

Different domains/spaces/sources

TAGLAS

Unified graph format

This node represents…

This node represents…

This edge represents…

This node represents…

Unified task format

Classify the paper into the following categories: …

What is the solubility of the molecule?

Score from 1-5, how would the user rate the movie?

Backend   **Torch**   **PyG**   **Huggingface**   **TorchMetrics**

Base   **TAGData**   **TAGDataset**

Dataset

MAG240M   Chembl   Amazon-product   SceneGraph

PCBA   BBBP   MovieLens-1m

ESOL   FB15K237

Cora   Pubmed   BACE

WikiCS   MUV   WN18RR

HIV

More than 23 datasets and continue updating…

Task   **Node-level**   **Link-level**   **Graph-level**

Question Answering

Utils   **Subgraph Sampling**   **Text to embedding**   **Evaluation**

Collate   **Optimization on memory and speed**