

Document Validation Report

for ReDKG



Correspondence: Yes

Percentages: 68.0%

Conclusion:

Most major building blocks described in the Russian documentation are present in the repo: (1) the encoder is implemented by KGEModel (TransE etc.); (2) the state-representation GCNGRU class exists; (3) a DQN-style reinforcement-learning loop is provided in TrainPipeline together with a Simulator; (4) hypergraph shortest-path and metric utilities (HBellmanFord, HypergraphCoverageSolver, HypergraphMetricsCalculator) and visualisers for graphs/hypergraphs are implemented. However, important gaps remain: the time-aware Ta-TransE model for dynamic KGs mentioned in 3.2.1 is absent; no explicit timestamp handling or dynamic-graph batching is in the datasets; the “candidate-selection” module is not clearly separated; and there is no script that reproduces the specific experimental results or quantitative numbers referenced in the documentation. Therefore the code substantially follows the documented architecture but cannot fully reproduce the claimed experimental procedures or results.