GWDG

Exercise „Data Science Infrastructures"

Exercise 05 (DSI E05 ST 24) – Related Lecture DSI L06

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Content

I. Neo4J – Introduction to core features of graphs & graph DBMS

- Solutions can be both submitted in German and English

- Please submit the solutions to the "Exercise Solutions" folder in Stud.IP

General Information

- You need Neo4J installed on your system
  - Open source & free
  - Available from here: https://neo4j.com/download/
  - Works for Linux, Windows, and Mac OS
  - Installation: https://neo4j.com/docs/operations-manual/current/installation/
- Step-by-step assignment will be made available via Stud.IP.

Assignment I
View CSV Data

- Task: Get to know Neo4J
  - Get yourself accustomed with Neo4J Desktop
  - Start with basic Cypher commands
  - Load CSV data into Neo4J desktop
- Tool: Neo4J Desktop

Assignment II
Create a Neo4J Graph

- Task: Create graph from existing data
  - Realize simple data model
  - Create nodes & properties
  - Create graph
- Tool: Neo4J Desktop