

State of train mobility in Germany

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VERSION: 1.0

Questions to be answered

- Where is the expansion or improvement of existing rail connections worth prioritising?
- Where is already good train infrastructure, where should improvements be made fastly?

Datasources to answer the questions

- Datasource 1: Connection times between the biggest towns in Germany
 - Turtle file with a RDF Graph
 - Connection Times for Car and Train Connections
 - But: Turtle - File was corrupted – difficult preprocessing required
- Datasource 2: DB Timetables API – Known Interferences by train station
 - Distinguish incidents by different categories (major disturbance, disturbance, ...)
 - Time Stamps for each disturbance given
 - Central train stations of towns that occur in Datasource 1 were queried
 - But: Data changes over time

Results for Datasource 1

Results for Datasource 2

Problems during the whole project

- Corrupted ttl file of Datasource 1
- Continuous updates for Datasource 2 required
- XML representation of the data of Datasource 2

Outlook

- Continuous grasping of data from Datasource 2 over a long duration
- Including multiple stations per town
- Comparing train connection times of Datasource 1 with real-time information from the DB Timetable API

Thank you for your attention!

Any questions?