Master's Thesis Data Repository

Welcome to my Master's thesis data repository!

This repository contains data and accompanying resources for my Master's thesis.

Thesis Information

Title A domain-specific visual approach to semantically describe shared datasets in business ecosystems

University University of Applied Sciences and Arts Northwestern Switzerland FHNW

Curriculum Master of Science (MSc) in Business Information Systems (BIS) FHNW

Date of Submission June 21st, 2023

Author Alexandre Miccoli, 16-658-288

Supervisor Dr. Emanuele Laurenzi

Contents by Folder

- `data` : the raw and processed data used for the prototype
- `data/preprocessed` : converted spatial data to flat structures
- `data/sources` : raw data
- `data/Canton Lucerne` : source data from opendata.swisscom
- `data/Swisscom` : source data from the Swisscom Open Data platform
- `diagrams` : source files for graphics presented in the report
- `metaphactory_backup/*` : exports from Metaphactory to be re-imported if needed
- `ontologies` : the ontology repository from Metaphactory
- `scripts` : PHP files for data manipulations and SPARQL preparation

Please note that the files in `metaphactory_backup` are not meant to be read outside Metaphactory but as a backup to be re-imported in Metaphactory if needed. Do not edit files in the `ontologies` folder of the Master branch directly. Instead, create a new branch, then test if everything works in Metaphactory and then merge the branch to Master.

Running PHP Scripts

To run the PHP scripts, you first need to import the data from `data/db.sql` as a MySQL database. Then, copy scripts/config.tpl.php to `scripts/config.php` and enter the needed information. Then, navigate to the needed script from your browser. Note: The contents of `scripts` must be placed in a location accessible for your PHP engine.

Contact

Reach out to me by e-mail at alexandre.miccoli@students.fhnw.ch, using the contact details on my GitHub Profile Page or via LinkedIn.