

The most valuable data publication is in the form of linked data. The creation of linked data includes in particular the transformation of data into RDF and the appropriate use of identifiers and ontologies. However, the entire process is still challenging even for linked data experts. Therefore, the main goal of this thesis is to create a semi-automatic solution to facilitate the transformation of data into high-quality linked data. The basis of the proposed solution is the creation of a data model that the user can interactively edit manually or with the help of recommendations. These recommendations suggest model transformations based primarily on expert knowledge of data domains. The solution was implemented as a proof-of-concept web editor and is based on the visual modification of the schema of user provided data.