

The thesis describes several means of processing statistical data in the ambience of Linked Data and is in particular focused on the utilization of Data Cube Vocabulary metaformat. Its content offers a description of tools related to analysis and visualization of RDF data not only from the statistical view. An indivisible part of this work is the depiction of the Payola tool on whose development is the author still working on. The outcome of this thesis is mainly proposal and consequential implementation of the system that enables a conversion of RDF data in compliance with the DCV vocabularies. The designed system was implemented and integrated to the Payola application. Several other extensions of the system were also implemented by the author. Within the scope of the implementation process there are mentioned also limitations arising from the integration with Payola. In the conclusion the writer describes a few experiments where some of the chosen datasets were applied to the implemented system.