



Visualizing and Exploring Linked Data

The LinkDaViz tool is a JavaScript based web application, receiving input data in RDF format.

Useful links:

Documentation: https://github.com/EIS-Bonn/MA-INF3232-Lab-

SS2015/blob/master/GroupD/Presentations/GroupD Documentation Presentation.odp **Demo-version:** http://ec2-52-88-37-178.us-west-2.compute.amazonaws.com:4200/

Components

The frontend module:

- a component for data selection,
- the visualization widgets library,
- a component for configuring a visualization.

The backend module:

- computing visualization recommendations,
- a data storage for visualization metadata and saved visualizations.







Key-based search

- Values search in the tree
- Non-found values



Filtering

- Numerical data from the tree
- Min & max values



Data table

• Scrolling in the data table

Linda project

Objective: to make the benefits of LOD accessible to SMEs.

Functionality: Linda guides the user step by step through the process of browsing, selecting and exploring data and configuring visualizations by computing suggestions for suitable visualizations and possible configurations for this visualizations.

Major challenge: to provide means for exploring and visualizing Linked Data by hiding complexity through automation and an intuitive user interface.

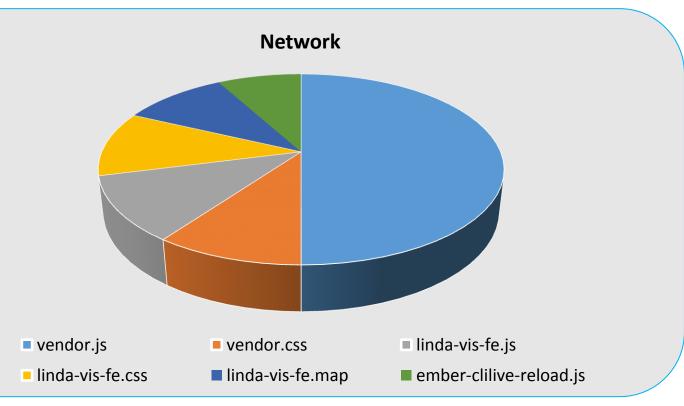
Before ***** LinDaViz Explore and Select Data **○** C DataEntry class Show 10 ▼ entries Search: **☑** State Fips number State O Source string State string ALABAMA STATE ALASKA ✓ Year number O Data Item string ARIZONA O Frequency string STATE **ARKANSAS** STATE COLORADO CONNECTICUT STATE DELAWARE STATE FLORIDA STATE 2007 **GEORGIA** After ***** LinDaViz Explore and Select Data Preview Data Selection CENSUS 15 INVENTOR CENSUS 24 INVENTO END OF CENSUS 50 INVENTOR DEC Previous 1 Next Showing 1 to 3 of 3 entries (filtered from 50 total entries) Visualize

Workstation:

EIS02: Ubuntu2015-LDViz

TeamViewer remote access:

Login: 561 678 043 Pass: E1sldviz2015



Mentor: Klaudia Tellmann

Students: Alina Arunova, Tatiana Novikova, David Ibhaluobe