

Evaluation of LinDA and comparison with other tools for visualization of Linked datasets

About & How-To Access Guide

Quick links:

Evaluation process - <https://github.com/EIS-Bonn/MA-INF4314-Lab/tree/master/A-EvaluationLinDA-Fabrizio>

LinDA project - <https://github.com/LinDA-tools/Visualization>

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Summary of the Evaluation process

The aim of the LinDA project is to make the benefits of Linked Open Data accessible to SMEs and data providers. This involves building a system of tools for visualizing Linked Data to assist SMEs in their daily tasks by hiding complexity through automation and an intuitive user interface. This evaluation process was conducted to assess the software and provide feedback to the developers

Usability test on LinDA software was conducted with twenty(20) people ranging from novices to experts. Methods adopted in the evaluation process included questionnaires, cognitive walkthrough and interviews. Each user was given a maximum of seven (7) tasks to perform on the system. See bottom of poster for details on the tasks.

Comparison of LinDA was carried out against other visualization tools such as Tableau public, CODE project and RDF:Synopsviz, Lumira and a few others. Emphasis was placed on analyzing properties concerning product quality which are usability, efficiency, scalability, visual representation, format of datasets and customization.

Virtual Machine



Ubuntu login: comp
Name: LinDA Visualization Production
OS: Ubuntu (64 bit)
Base memory : 4096MB

Team viewer access



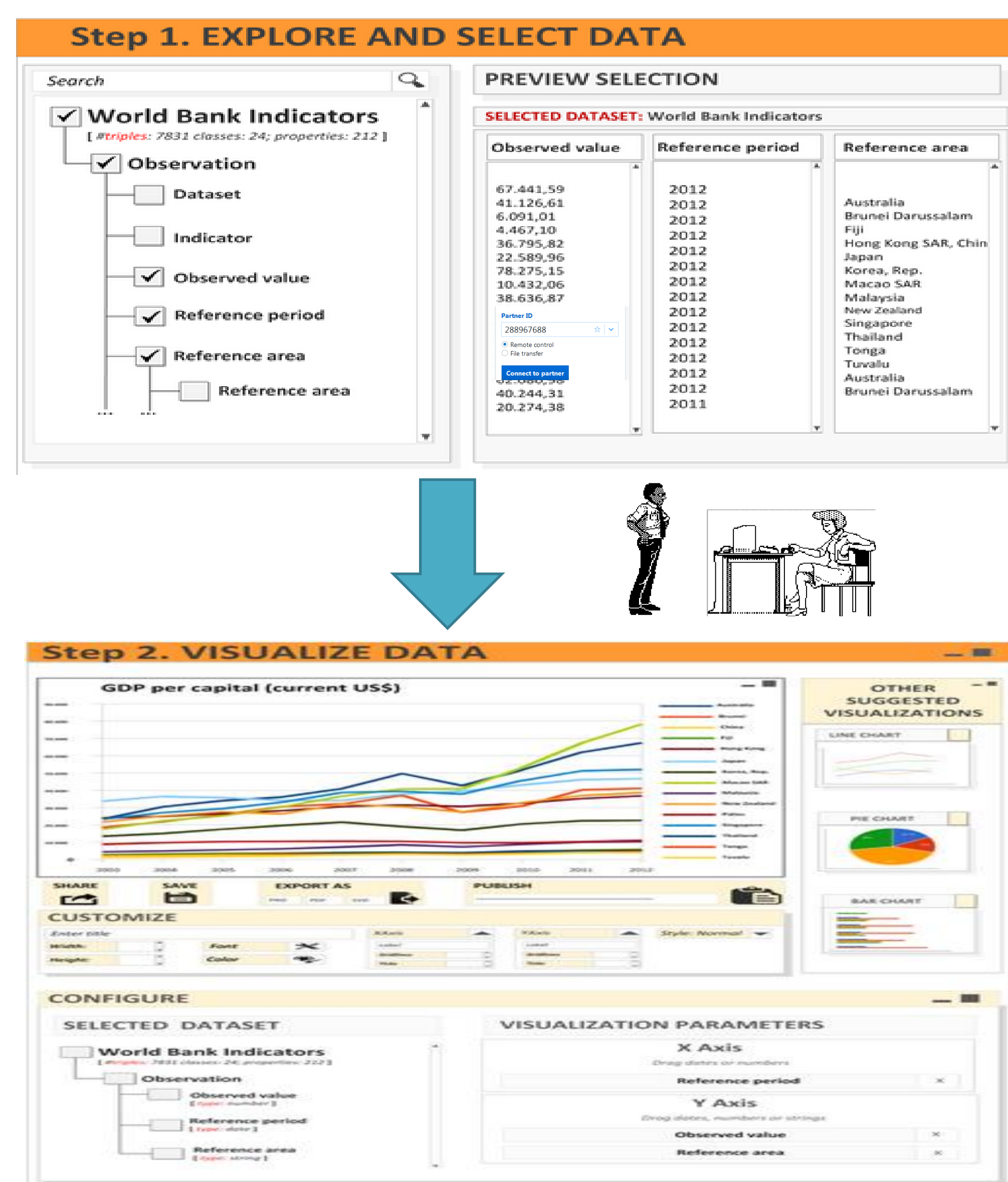
Partner ID
288967688
Remote control
File transfer
Connect to partner

EIS Lab WinSem 2015 Group A

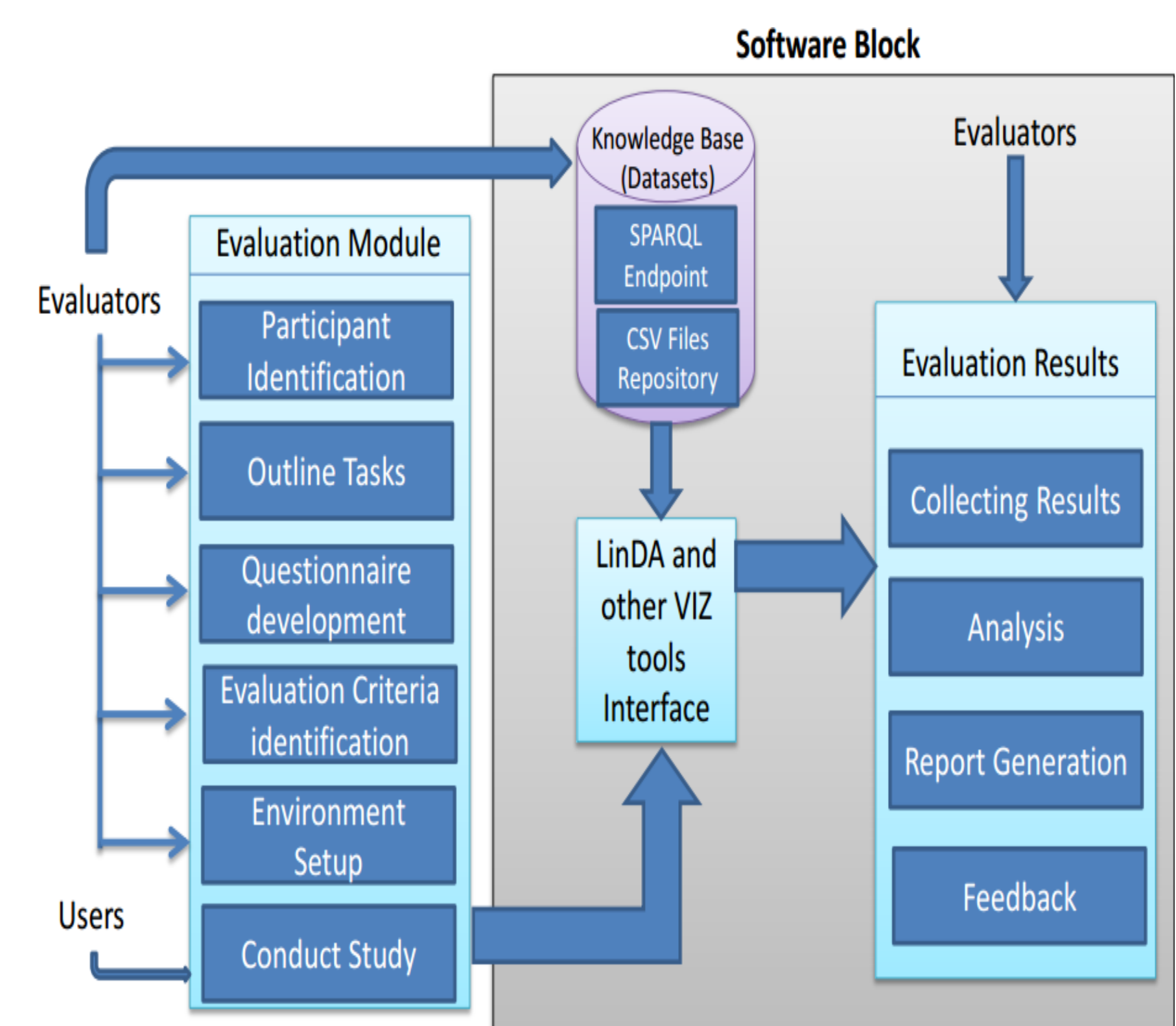


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Sample LinDA interface



LinDA evaluation process: Architecture Diagram



Other Visualization

+tableau+public

tools

CODE

SynopsViz

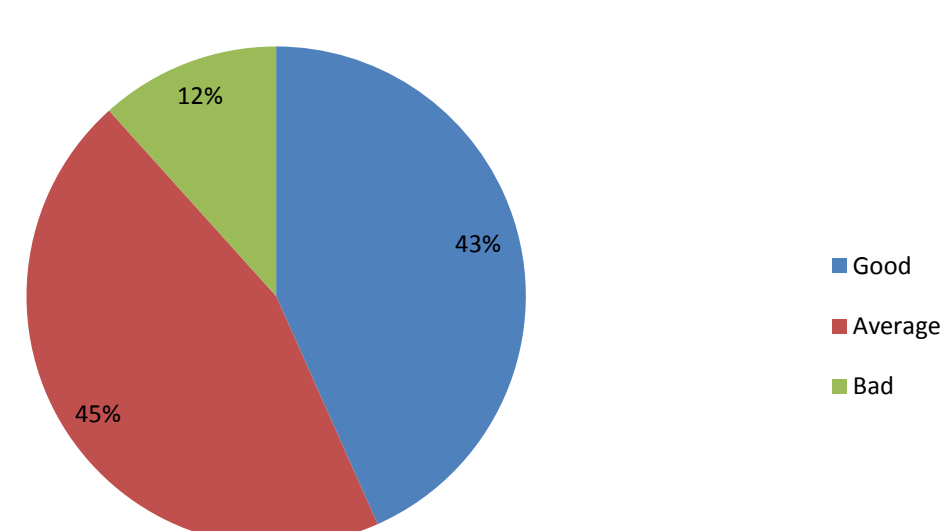
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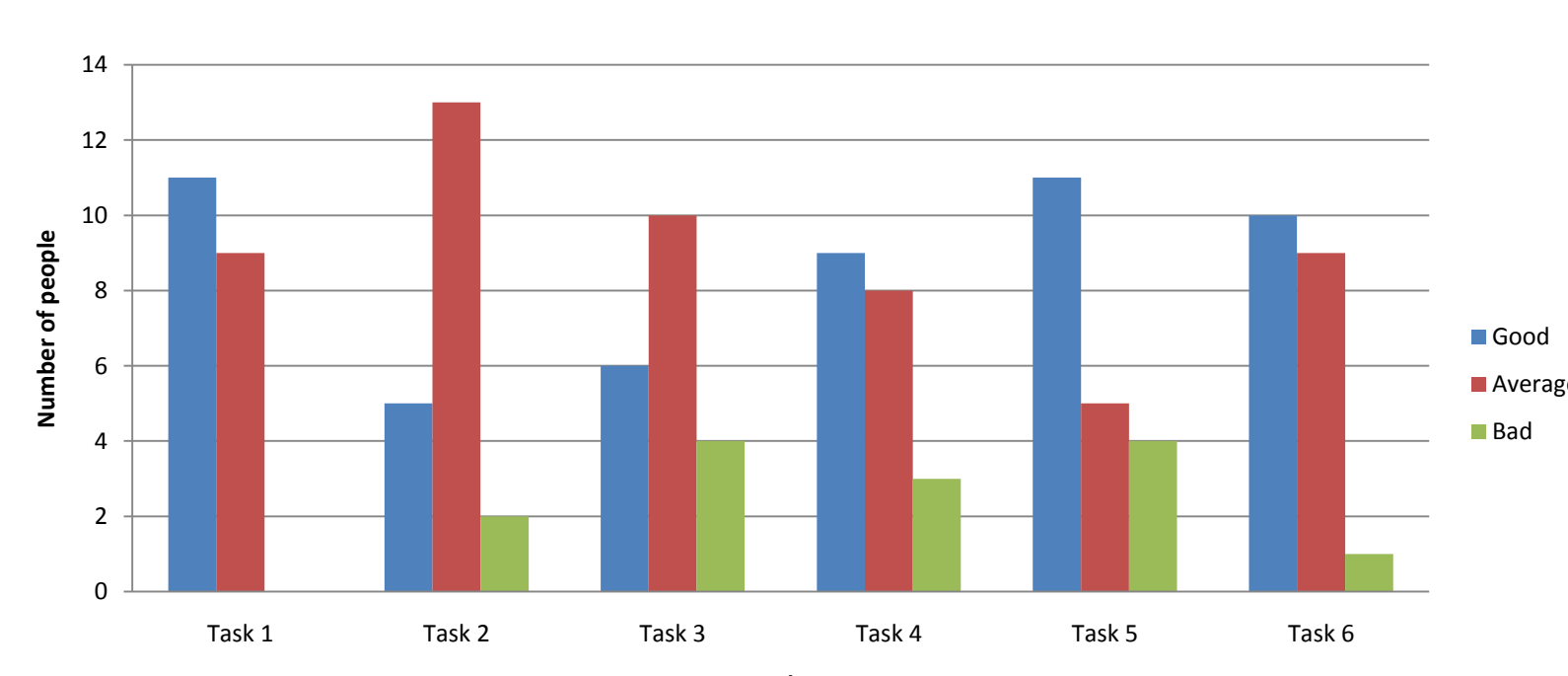
Usability Task	Description
Task 1	Dataset selection
Task 2	Choosing parameters
Task 3	Visualize data/ navigate chart
Task 4	Modify parameters
Task 5	Change data labels
Task 6	Save visualization
Task 7	Visualizing another dataset

LinDA Evaluation Results

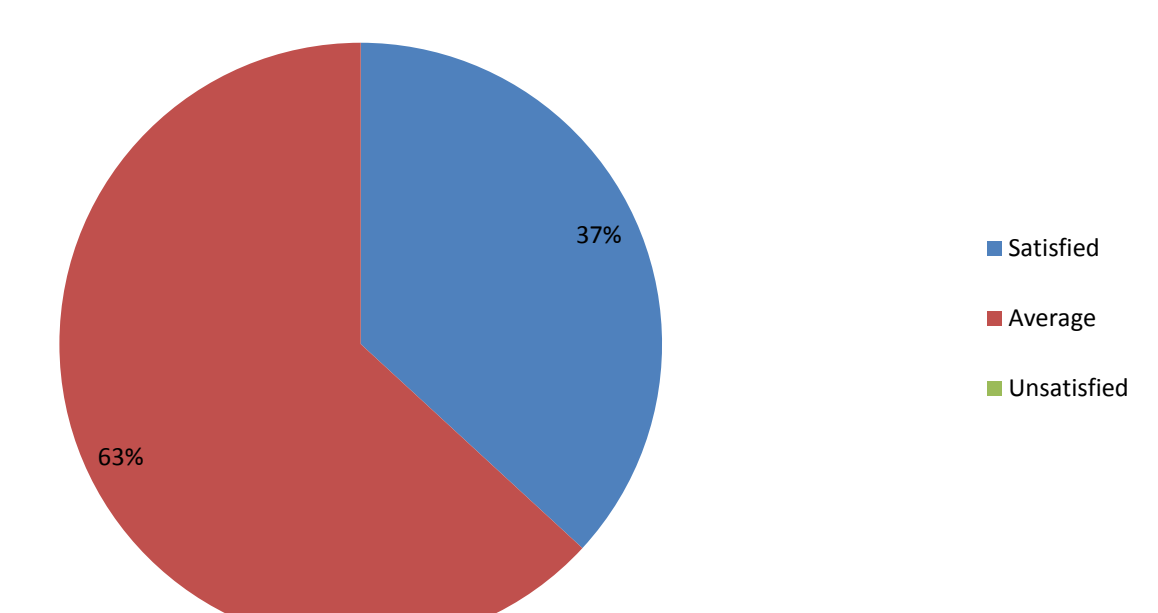
Overall impression about the design of LinDa



User's perception on LinDA interface design based on the tasks



General level of satisfaction of users with LinDa



Detailed information on evaluation reports can be found on Github link <https://github.com/EIS-Bonn/MA-INF4314-Lab/blob/master/A-EvaluationLinDA-Fabrizio/dev/Evaluation%20reports/Group-A-Technical-System-Documentation.pdf>