

# 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



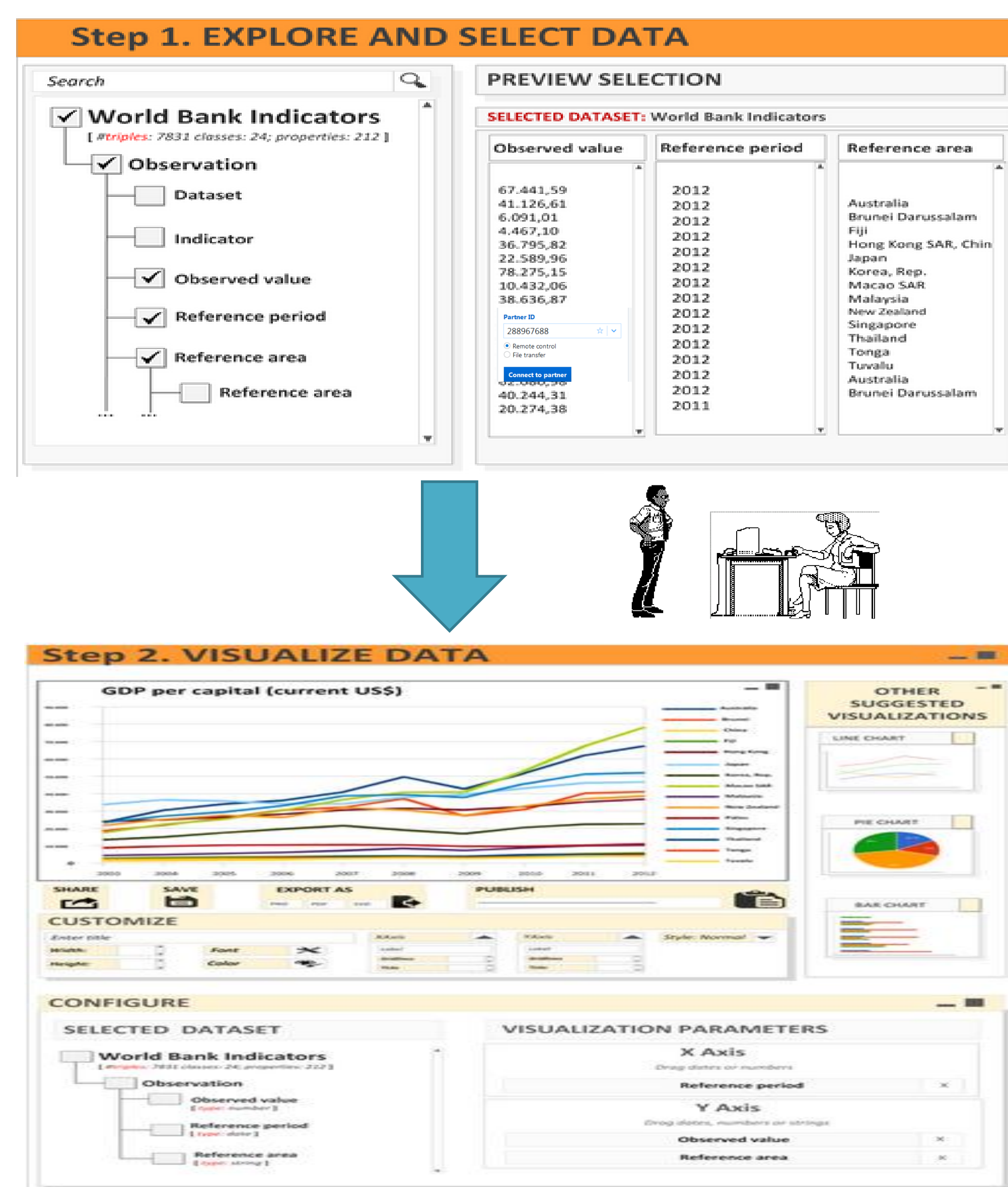
Partner ID  
288967688  
Remote control  
File transfer  
[Connect to partner](#)

### EIS Lab WinSem 2015 Group A



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

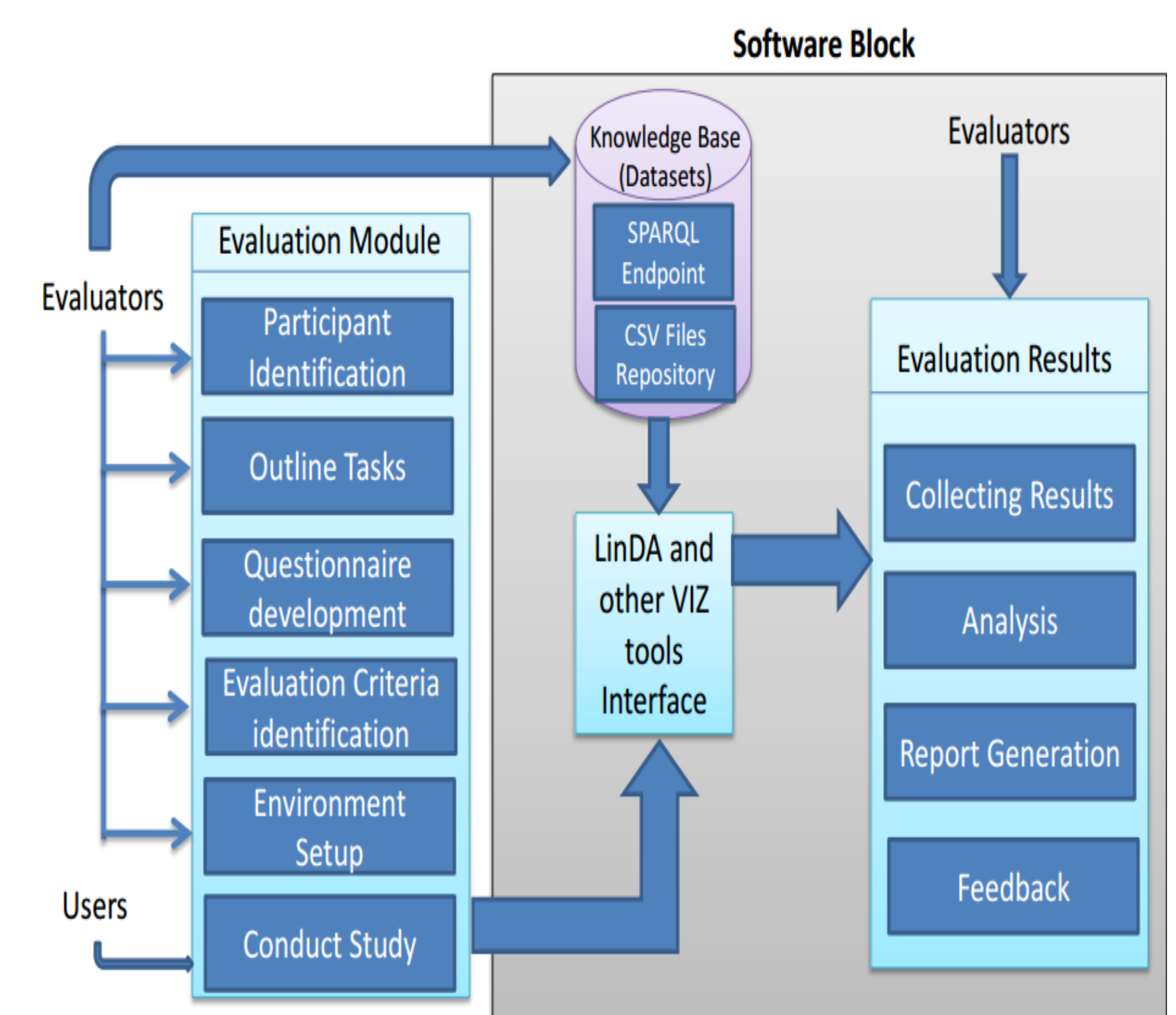
### Sample LinDA interface



### Other Visualization tools



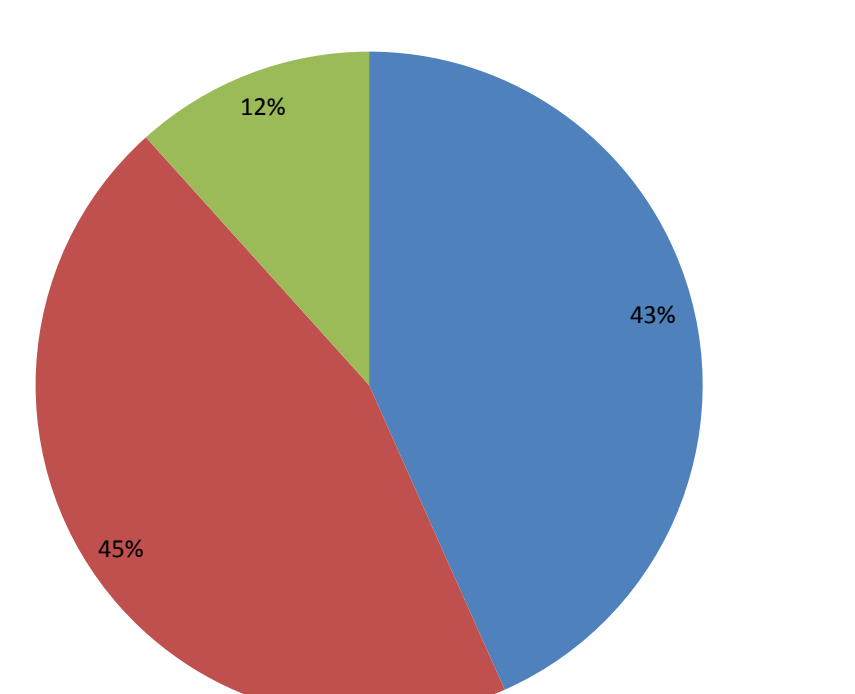
### LinDA evaluation process: Architecture Diagram



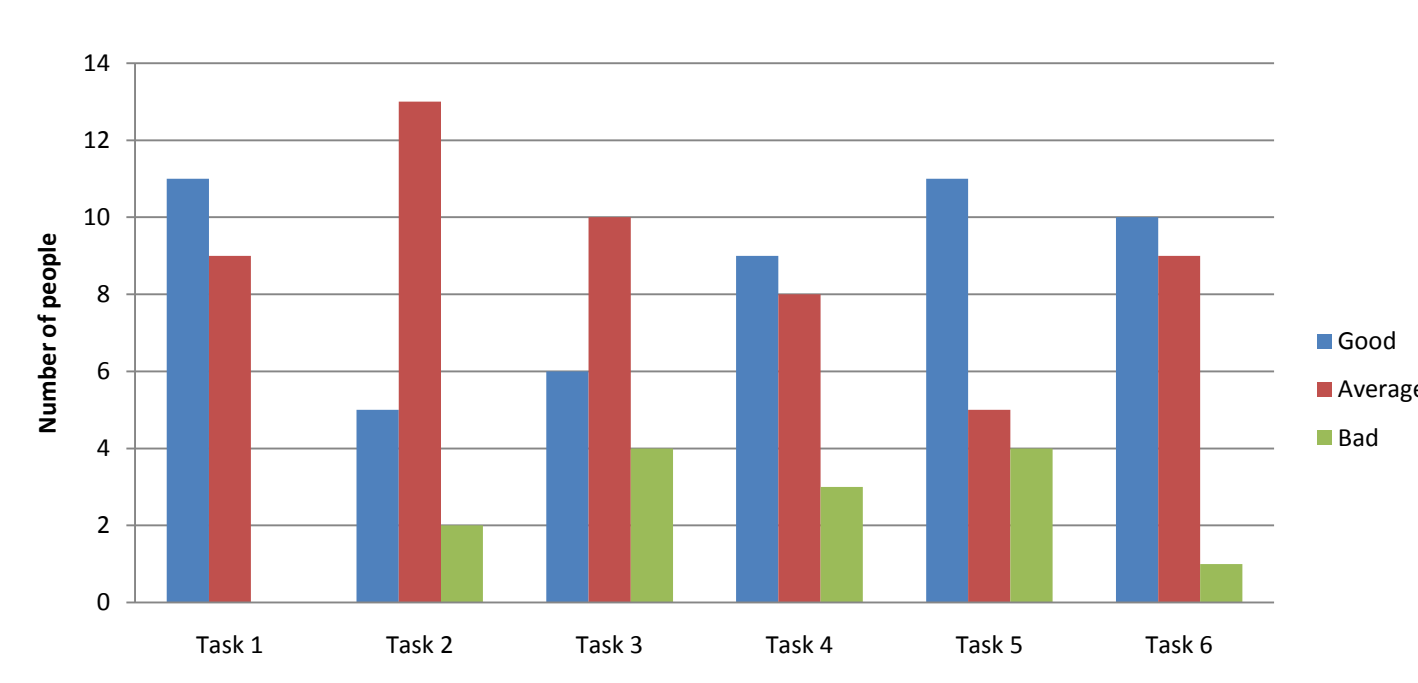
| Usability Task | Description                    |
|----------------|--------------------------------|
| Task 1         | Dataset selection              |
| Task 2         | Choosing parameters            |
| Task 3         | Visualize data/ navigate chart |
| Task 4         | Modify parameters    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

## LinDA Evaluation Results

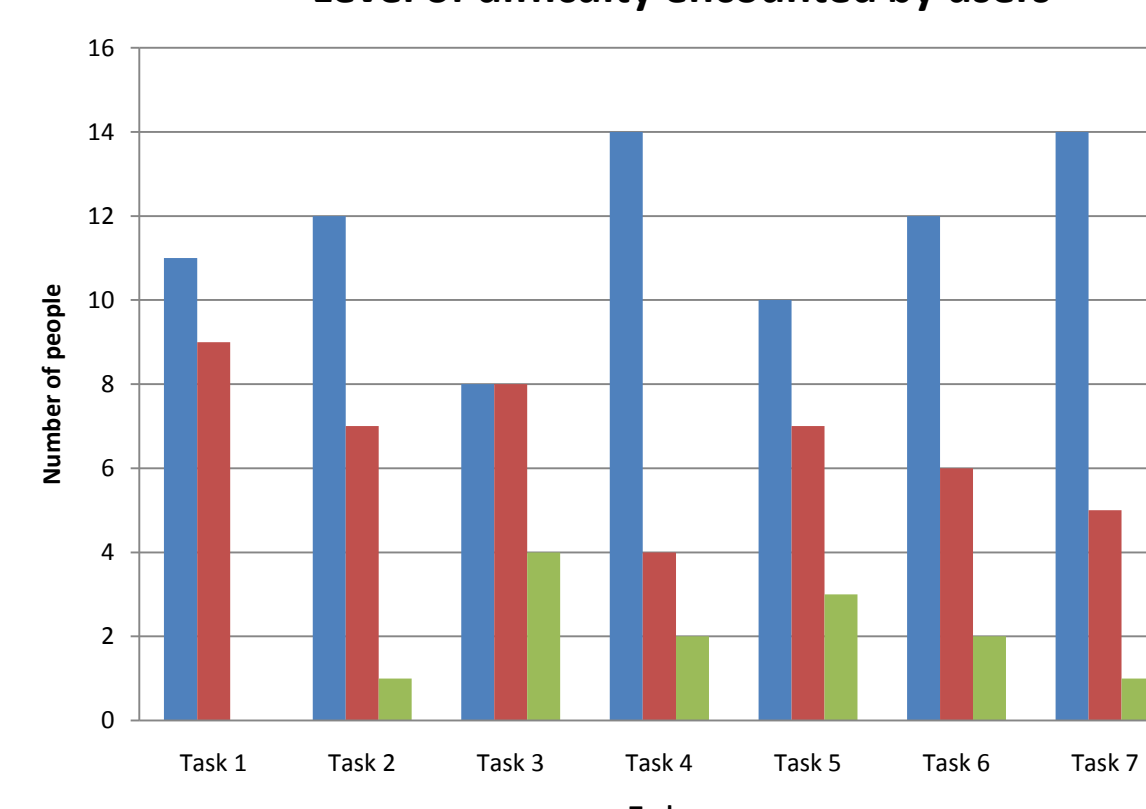
Overall impression about design of LinDA



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



Level of difficulty encountered by users



General level of satisfaction of users with LinDa software

