

The Other Side of Observations

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Keywords: Visual Data Analysis, Interactivity, Risky Behavior, Multidimensional Individuals, Glyphs, Categorical data.

Abstract

Interactive Visual Data Analysis is a powerful and broad range of techniques to obtain information directly from data, by interpreting graphical displays and interactively manipulating data. Interactivity gains relevant goals in making such information understandable and reusable for the analyses themselves. Visualisation for continuous as well for categorical data offers even more versatile and communicative results, where Statistical Methods sometimes from lack of interpretability and flexibility.

In this paper I consider data from a psychological experiment designed according to P. Dabelstein, A. Henneberger, S. Kleinschmidt, J. Klotz, K. Kbel, A. Nieland et al., measuring risky behavior in relation to the Regulatory Focus Theory (Higgins, 1997) RFT. This dataset have been already analysed using parametric methodologies: the results seem not completely exhaustive and leave some space left for further analyses. Using them with others following Interactive Visual Data Analysis is interesting and can open new perspectives for analysis.

Social and Psychological surveys, often treat a relatively large number of categorical and continuous variables together, and refer them to human individuals. Although the individuals interpretation and unity play an important role, especially in psychological studies, analyses often ignore this feature.

Analyses presented in this paper, will be individual-oriented and focus on the interactive analyses of multidimensional individuals, through multidimensional objects designed to keep individual's natural unity and, nevertheless, make them still available for deeper analysis .

References

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