ggESDA: An **R** Package for Exploratory Symbolic Data Analysis using ggplot2

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Abstract

This paper presents the **ggESDA** package, which we developed for exploratory symbolic data analysis in R. Based on **ggplot2** Wickham (2009), the **ggESDA** package which is familiar programming structure with its parent provides a wide variety of graphical techniques such as histogram, 3D-scatterplot and radar. In addition, a general and customized transformation function `classic2sym()` is implemented for generating a symbolic data table by clustering algorithm, **RSDA** Rojas (2015) function and user-defined method.

Keywords: SDA, EDA, symbolic data analysis, exploratory data analysis, ggplot2 extensions, interval-valued data, R.

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References

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