

Deducer: A Graphical useR interface for everyone

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While R has proven itself to be a powerful and flexible tool for data exploration and analysis, it lacks the ease of use present in other software such as SPSS and MINITAB. An easy to use graphical interface can help new users accomplish tasks that would be out of their reach otherwise, and can improve the efficiency of expert users by replacing fifty key strokes with five mouse clicks. With this in mind, Deducer presents dialogs that are as understandable as possible for the beginner to understand, yet contain all (or most) of the options that an experienced statistician performing the same task would want. An Excel-like spreadsheet is included for easy data viewing and editing. Deducer is based on Java's Swing GUI library, and can be used on any common operating system. The GUI is independent of the specific R console and can easily be used by calling a text based menu system. Graphical menus are provided for the JGR console and the Windows RGui. In this talk we will explore the GUI's data manipulation and analysis using real world data.