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A comparison of a new, open-source graphical user interface to R

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Organizations, both large and small, have a difficult time trying to standardize. In the field of statistical methods standardizing on a software package is especially difficult. There are over 50 commercial options, over 40 open source options, and add-ins for spreadsheets and engineering tools. Educational licenses provide low costs to universities, but graduates often find their organization does not use the same software they were taught at the university. One of the most popular software solutions is **R**. **R** is popular because of it is free, powerful, and covers virtually every statistical routine. Many frown upon **R** because it requires the user to learn scripting. There are some graphical user interfaces for **R**, such as RStudio, but these have not met the ease-of-use level desired by most users. To address this issue, several leading universities have collaborated and have created a new, user-friendly interface for **R**. The project is called **JASP**, and it is open source. This paper will demonstrate some key interfaces and capabilities using standard data sets for verification.

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