

# Benchmarks

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## RSS Matters

# Research and Statistical Support

## University of North Texas

## Working with Sage and R

Link to the last RSS article here: [How to Conduct Empirical Academic Research: A \(very\) General Guide](#)

-- Ed.

By [Dr. Rich Herrington](#) Research and Statistical Support Consultant

This month we review basic computational tasks within the "Sage" mathematics software. Additionally we look at using the Sage notebook as an interface to the R system of statistical software. Details on downloading Sage and setting up a Sage server can be found at: <http://www.sagemath.org>

Sage consists of a large collection of public domain mathematical software packages (<http://www.sagemath.org/links-components.html>). The developers of Sage have looked to integrating previous existing software efforts under a common framework, rather than re-implementing their functionality. The R software system is one such software effort (<http://www.cran.r-project.org>), and we will look at basic operations in sharing data and computations between these two computational systems.

## Getting Started - The Sage Notebook

Visit <http://rss.unt.edu/home/pub/0/> for the rest of the story.



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