

# Introduction to the R Statistical Computing Environment R

## Getting Started With R: Exercises

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2010

1. If you haven't already done so, install R on your computer and verify that it works. Install the development version of the **car** package, first installing the **leaps** package on which it depends:

```
install.packages("leaps")  
install.packages("car", repos="http://R-Forge.R-project.org")
```

2. One of the data sets in the **car** package, called **States**, contains education and other data for the 50 U.S. states and Washington DC. Find out what's in the data set by looking at its help page (**?States**), and then perform a linear least-squares regression of the average SAT math score of graduating high-school students on the average teachers' salary in the states. Perform a second regression of SAT math score on both teachers' salary and percentage of students taking the SAT exam. Compare the coefficients for teachers' salary in the two regressions. How do you account for the difference? Make some graphs of the data.