

# R Workshop Day 1

## Warmup

- Introductions
- What is your main goal for this workshop?
- What type of data analysis are you most interested in?

## RStudio basics

- What are R and RStudio?<sup>1</sup>
- Why might one use RStudio over something like Excel or SPSS?<sup>2</sup>
- Logging in to the RStudio server.<sup>3</sup>
- Type `library(hanoverbase)` in the “console” window and press Enter. We will talk about what this does later.
- The different sections and panes in RStudio.<sup>4</sup>
- Using the console, including help and history<sup>5</sup>
- Basic arithmetic and use of scientific notation in RStudio.<sup>6</sup>
- Assigning to variables.<sup>7</sup>
- Working with vectors/sequences.<sup>8</sup>
- Quickly entering some data using `scan()`.<sup>9</sup>
- Basic statistics for a vector<sup>10</sup>
- Basic graphs for a vector<sup>11</sup>

## Analyzing some data

- Loading data from CSV.<sup>12</sup>
- Your Rstudio workspace vs your computer<sup>13</sup>
- Loading built-in datasets with `data()`.
- Loading data from Excel.<sup>14</sup>

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<sup>1</sup> [../morsels/whatAreRAndRStudio.html](#)

<sup>2</sup> [../morsels/whyRStudio.html](#)

<sup>3</sup> [../morsels/loggingToRStudio.html](#)

<sup>4</sup> [../morsels/RStudioSections.html](#)

<sup>5</sup> [../morsels/WorkingWithConsole.html](#)

<sup>6</sup> [../morsels/arithmetic.html](#)

<sup>7</sup> [../morsels/variableAssignment.html](#)

<sup>8</sup> [../morsels/vectors.html](#)

<sup>9</sup> [../morsels/usingScan.html](#)

<sup>10</sup> [../morsels/basicStatisticsVector.html](#)

<sup>11</sup> [../morsels/basicGraphsVector.html](#)

<sup>12</sup> [../morsels/loadingDataCSV.html](#)

<sup>13</sup> [../morsels/workspaceVsComputer.html](#)

<sup>14</sup> [../morsels/loadingExcel.html](#)