

### DAT 640 Practical R Activity One Guidelines and Rubric: R and Rattle Reference

You are expected to use SNHU's Virtual Lab instance of R and Rattle, as troubleshooting is easier if each student's environment is the same. You may use your own system and install R and Rattle on that system if you wish. However, know that the instructor may not be able to help you troubleshoot any challenges that might be a result of a different operating system or environment.

For this assignment, you will be creating a quick-reference guide, or cheat sheet, for R and Rattle to use throughout this course (and subsequent courses). You may create your quick reference in any format that works best for you—for example, a Word document, PDF, PowerPoint slide deck, or spreadsheet.

Regardless of what format you choose, your analysis should include the following **critical elements**:

1. Starting and quitting R and Rattle
2. Loading a data set
3. Building a model
4. Understanding data
5. Evaluating a model
6. Interacting with Rattle
7. Interacting with R
8. Commands used frequently that you should know

Again, this reference is for *you*. Your instructor will be looking for screenshots, explanations, how-to instructions, and so on. Use words and explanations that make sense to you. This will also help your instructor gain an understanding of how you understand, think about the use of, and interact with R and Rattle.

There is no required minimum or maximum length. Screenshots and explanations are required. You may choose to add as many subtopics as you wish to each of the above critical elements. For example, when interacting with Rattle or R, you might include subtopics such as “execute button” or “model tab,” and so on.

The following sites are valuable resources you can use as references in building your reference:

- [Introducing R: Getting Started](#)
- [R and Data Mining: Examples and Case Studies](#)
- [Introduction to R](#)
- [The Very Basics of R](#)

### Rubric

**Guidelines for Submission:** Your submission should follow these formatting guidelines: double spacing, 12-point Times New Roman font, one-inch margins, and citations, if any, in APA format when appropriate. Screenshots and explanations are required.

Critical Elements	Exemplary (100%)	Proficient (90%)	Needs Improvement (70%)	Not Evident (0%)	Value
<b>Description of Purpose of R Commands Used</b>	Meets “Proficient” criteria and includes additional examples or clarifying information	Describes all the R command execution statements using explanatory sentences as to the purpose and includes an example of the command	Missing R command execution statements using explanatory sentences as to the purpose or lacks an example	Does not describe the R command execution	60
<b>Articulation of Response</b>	Submission is free of errors related to citations, grammar, spelling, syntax, and organization and is presented in a professional and easy-to-read format	Submission has no major errors related to citations, grammar, spelling, syntax, or organization	Submission has major errors related to citations, grammar, spelling, syntax, or organization that negatively impact readability and articulation of main ideas	Submission has critical errors related to citations, grammar, spelling, syntax, or organization that prevent understanding of ideas	40
<b>Total</b>					<b>100%</b>