Throughout the course of EMEN 5005, we will use R to manipulate and analyze data. RStudio is a user interface for the programming language R. Because of this, there are two programs that you need to download to make RStudio work on your computer (R and RStudio).

Steps for Installing R:

1. Download the base distribution of R for your operating system from: http://www.r-project.org
    - On the left side of the page under Download click CRAN (Comprehensive R Archive Network)
    - Choose a CRAN Mirror
        - For example, under USA, choose one of the available links
    - Under Download and Install R, click on your operating system
        - Download R for (Mac) OS X: Click MacOS X and then under Files: click on the R- x.x.x.pkg* that is built for your version of OS X
        - Download R for Windows: Click Windows, then click base and then click on Download R x.x.x* for Windows
        - Download R for Linux: Select the option for your version of Linux
        - Note: x.x.x refers to the most recent version

2. Once downloaded, simply double-click to install R
    - Under Mac OS X, double-click the R.mpkg contained in the disk image
    - Under Windows, double-click the executable R-x.x.x-win.exe
    - Follow directions to perform the installation
        - **NOTE: If you have a computer and your drive is mirrored, install R on your C:\ drive. This applies to all CU employees!**

Steps for Installing RStudio:

1. Download RStudio for your operating system from http://www.rstudio.org
    - Under the Products menu, click on RStudio
    - Scroll towards the bottom and find the section Installers for Supported Platforms
    - Find the correct download for your operating system and click on the link
2. Once downloaded, double-click the downloaded installation source to install RStudio
    - Under Mac OS X, double-click the RStudio-x.xx.xxx.dmg and then drag the application into the application shortcut provided in the disk image.
    - Under Windows, double-click the RStudio-x.xx.xxx.exe executable
        - Note: x.xx.xxx refers to the most recent version.

Now simply open RStudio, and you should be able to run R through RStudio!

Steps for installing lolcat

1. Install the devtools package

   install.packages("devtools", dependencies = TRUE)

2. Load the devtools package

   require(devtools)

3. Download the latest lolcat public release

   install_github("burrm/lolcat")

4. Load the lolcat package

   require(lolcat)