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| Time | **Topic** |
| 12:00pm  (10 mins) | Set up laptops, get started |
| 12:10pm  (10 mins) | What is R and what can it do: data handling, graphics, statistics |
| 12:20pm  (20 mins) | Working in R and RStudio   * Opening RStudio * Open a new R script * Orientation to console, environment, packages, help, etc. * Save R script * Writing a line of code * Running a line of code |
| 12:40pm  (15 mins) | Basic R commands and object   * Arithmetic functions, log, exp, sqrt * Searching for help within R * Comments * Objects- assigning values, viewing * Vectors |
| 12:55pm  (15 mins) | Importing data into R   * Preparing data for R * Import using point-and-click method in RStudio * Set working directory: setwd() * Read in file with code: read.csv() * View imported data- view in RStudio window, head() |
| 1:10pm  (15 mins) | Basic statistics in R   * Arithmetic functions for data * Linear regression |
| 1:25pm (15 mins) | Plotting in R   * Scatter plot * Axis labels * Title * Add linear regression line to plot |
| 1:40pm (15 mins) | Next steps   * Other things R can do: logic statements, loops * Good resources * Questions? |
| 1:55pm (5 mins) | Put away laptops |