# Level Up – Advanced exercises

## Exercise 1 (using help from Exercise 2)

Generate two vectors of the same length:

x is normally distributed with a mean of 0 and a standard deviation of 1.

y is uniformly distributed with a range between 0 & 1.

## Exercise 3

2. Read in "Peru_Soil_Data_Problematic.txt" with `read.table()`. If it doesn't work, check the help file. If it does work, has all the data read in properly?

## Exercise 4

5. Explore the summarise() function in dplyr. Can you make interesting summaries of the data?

6. There was a problem with the device measuring the Calcium concentrations in Los Amigos. Can you multiply *only* these data points by two?

## Exercise 5

5. For plot 4, can you orientate the x axis labels to 90 degrees using theme()?

6. For plot 4, can you rescale the y axis to run from 0 to 200?

7. For the plot on Page 15, can you change the axis so that the scales are different on each facet?