# Lab 0 - Hello R!

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**Load Packages**

```r
library(tidyverse)
library(datasauRus)
```
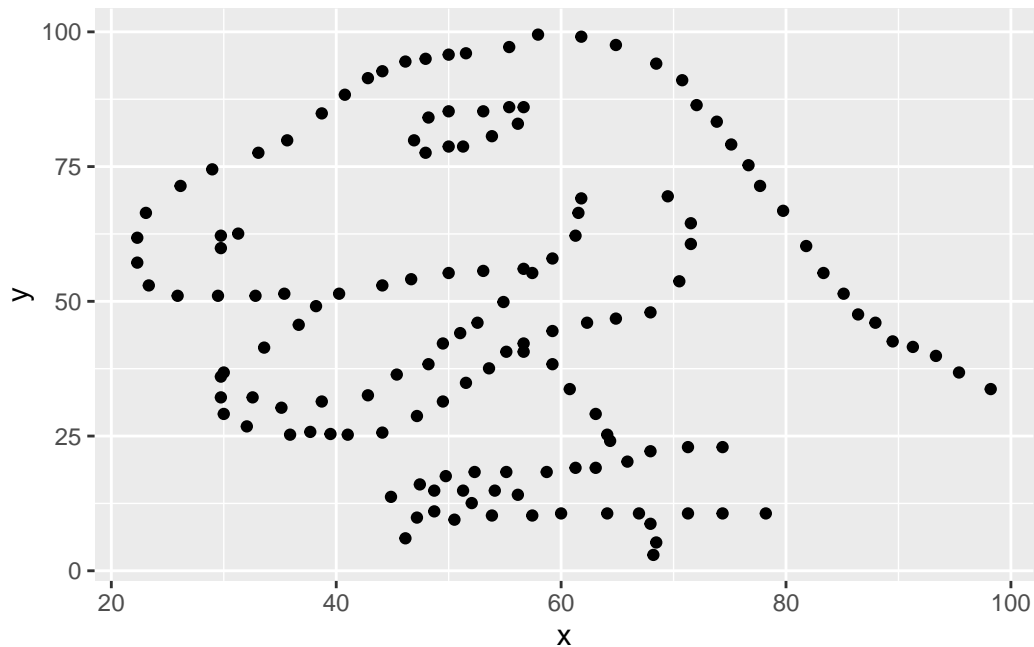
**Exercise 1**

1846 rows and 3 columns. The 3 variables included are "dataset", "x", and "y".

**Exercise 2**

First, let's plot the data in the dino dataset:

```r
dino_data <- datasaurus_dozen %>%
  filter(dataset == "dino")
ggplot(data = dino_data, mapping = aes(x = x, y = y)) +
  geom_point()
```

Next calculate the correlation between `x` and `y` in this dataset.

```
dino_data %>%
  summarize(r = cor(x, y))
```

```
# A tibble: 1 x 1
       r
   <dbl>
1 -0.0645
```

r = -0.06447185

## Exercise 3

(Add code and narrative here as needed. Note the code chunks below are labeled with `plot-circle` and `cor-circle` to provide spaces to place the code for plotting and calculating the correlation coefficient.)

(When you have finished, delete these instructions.)

```
# Your code should go here! This is a comment, which should be deleted.
```

Some more narrative can go here.

```
# Calculate the correlation here
```

Conclude with some more narrative, if needed.

## Exercise 4

(Add a labeled code chunk and narrative here. Insert code chunks using the "insert chunk" button (a green C with a +). Alternatively, use CMD + OPTION + I (Mac) or CTRL + ALT + I (Windows).)

## Exercise 5

(Add a labeled code chunk and narrative here. Insert code chunks using the "insert chunk" button (a green C with a +). Alternatively, use CMD + OPTION + I (Mac) or CTRL + ALT + I (Windows).)