Introduction to R
Session 6 exercises

Statistical Consulting Centre

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1. Plot the mean nerdy score for each gender (with $\pm 1.96 \times$SE bars), as shown in Figure 1.

Figure 1: First plot with standard error bars

2. Now reproduce Figure 2. The graph should have:

- for Males: solid circles (representing the mean) and $\pm 1.96 \times$SE bars (representing the lower and upper 95% confidence limits).
- for Females: solid circles (representing the mean) and $\pm 1.96 \times$SE bars (representing the lower and upper 95% confidence limits).

Figure 2: Second plot with standard error bars

3. Now read-in the file called `NZmap.csv` in the Data folder and reproduce Figure 3. Hint: create the `ggplot` object using the following

```
> ggplot(data = nz1.df, aes(x = long, y = lat, group = group,
+                           fill = Outcome ))
```

Then, use `geom_polygon()` function.

Figure 3: Third plot with mapping