INSTRUCTIONS – REPLACE EVERYTHING IN SQUARE BRACKETS BELOW WITH YOUR OWN **BLUESTEM FIGURES AND TEXT** and delete all highlighted instructions.

**Then submit to the assignment box on D2L.**

Organismal Biology Data Lab 1

[Your Name]

[Name of partner(s) you worked on this with]

[Lab Section – W12, W3, Th9, Th12]

INSTRUCTIONS – Start with the heading “RESULTS”, followed by two paragraphs of text. One paragraph will summarize your findings about plant heights, the other about rame lengths. Use in-text citations to cite your own figures, for example: “Birds that survived the 1977 drought generally had longer beaks than those that died (Fig. 1).”

RESULTS

[replace with paragraph about plant heights]

[replace with paragraph about rame lengths]

INSTRUCTIONS Next paste in all four figures, labeled Figure 1, Figure 2, Figure 3, Figure 4. Resize figures so they are not page-width (see example below) by clicking and dragging the corner of the image.

[replace with figure 1 – plant height histogram] [replace with figure 2 – plant height bar chart]

[replace with figure 3 – rame length histogram] [replace with figure 4 – rame length bar chart]

INSTRUCTIONS Next place all four figure *legends*, labeled Figure 1, Figure 2, Figure 3, Figure 4.

Figure 1. [replace with figure legend]

Figure 2. [replace with figure legend]

Figure 3. [replace with figure legend]

Figure 4. [replace with figure legend]

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*See below for an example of what your assignment should look like, only you will copy and paste in the figures and the results paragraphs for the bluestem data, not the finch data.*

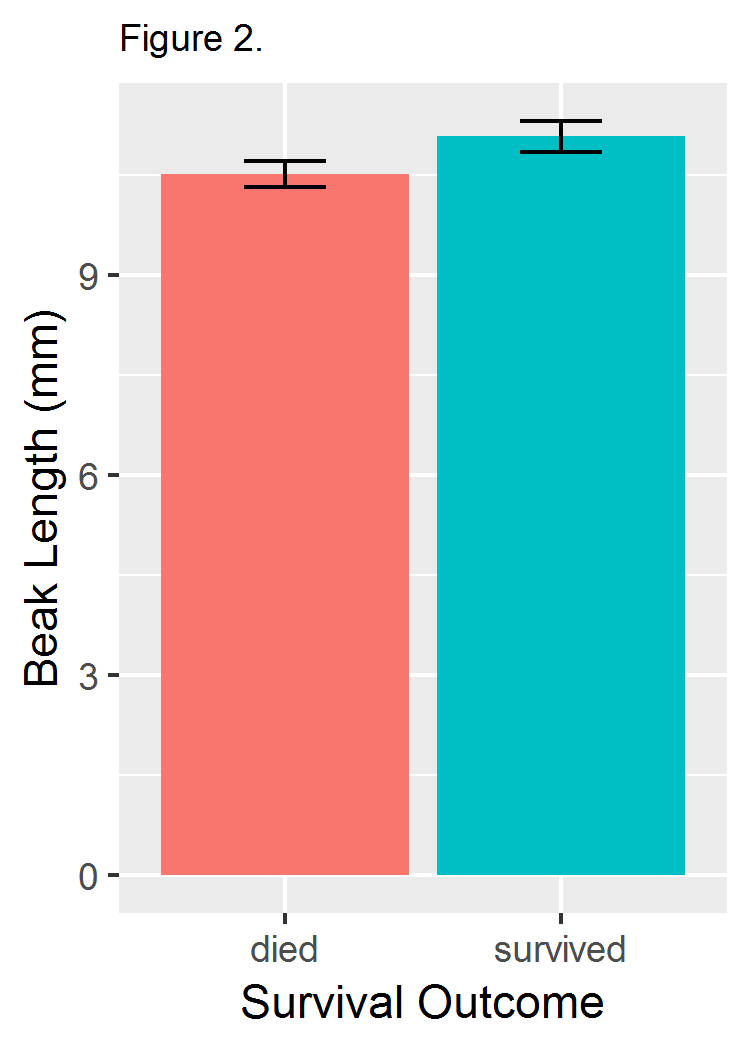
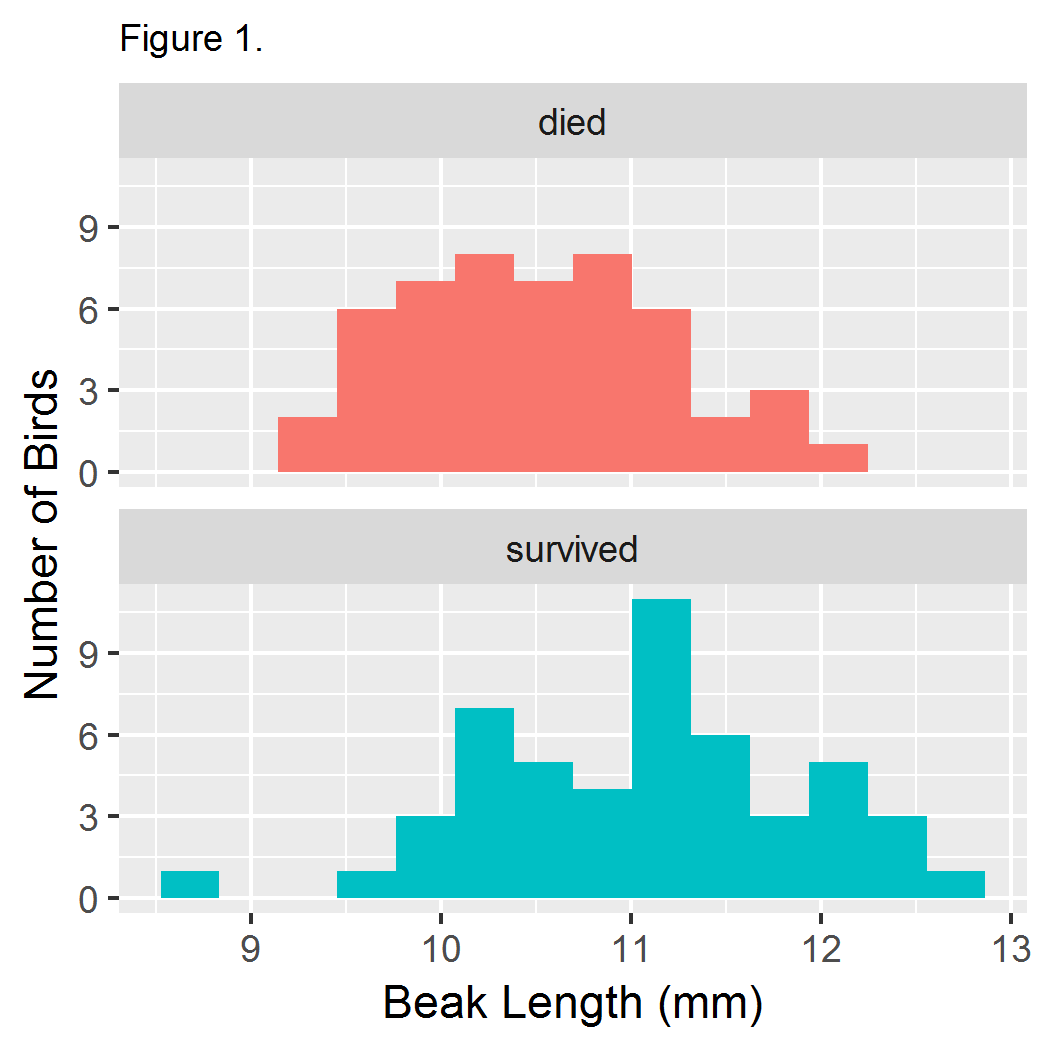


Figure 1. **Distribution of beak lengths among medium ground finches (*Geospiza fortis*) that survived or died during the 1977 drought on Daphne Major, Galapagos archipelago.** Each sample consists of 50 individuals. Birds were banded and measured during 1975-1977 and resighted in 1978.

Figure 2. **Mean beak length varied between** **medium ground finches (*Geospiza fortis*) that survived or died during the 1977 drought on Daphne Major, Galapagos archipelago**. Each sample consists of 50 individuals. Birds were banded and measured during 1975-1977 and resighted in 1978. Error bars represent 95% confidence intervals.

RESULTS

Birds that survived the 1977 drought generally had longer beaks than those that died (Fig. 1). Mean beak depths were 11.1 mm in survivors and 10.5 mm in non-survivors (Fig. 2). This difference was stastistically significant according to a Welch's two-sample t-test assuming unequal variances (, , ).