**Statistics and Saguaros of Section 17**

Exercise 1: *Recognizing Statistical Questions*

State whether the following questions are statistical questions. How do you know?

1. How much time does each student from Saguaro High spend on pulling a buffelgrass?
2. How many hours did Ranger John work on Friday?
3. Which area has more buffelgrass – Saguaro National Park or Sabino Canyon?
4. How many buffelgrass plants are in plot A?
5. What is the average height of the saguaros in section 17?

Exercise 2: Writing Statistical Questions

Angelo is a Next Generation Ranger interested in finding out more about growth and health of saguaros. He goes to Section 17 plot to inspire himself. Give 3 possible statistical questions that Angelo can work on.

Exercise 3: Finding mean, median, mode, minimum, maximum, and range

1. Darla decides that for her project, she is going to measure the height of saguaros at a particular 10 x 10 m plot. The heights are as follow in meter: 2, 4, 3.5, 2.4, 2, 2, 5, 5.6, 3, 7, 6, 4, and 2. Provide a possible statistical question that Darla can study. Looking at the data she collected, what is the mean, median, mode, minimum, maximum, and range? Show your work.
2. Based on the data presented above, create a histogram showing the heights of the saguaros on the plot with bars that represent the number of saguaros in each height class: 0-2 meters, 2.1-4 meters, 4.1-6 meters, and 6.1-8 meters.