**Making a Box Plot with Kelp Data on TuvaLabs**

1. Use your Google ID to log into Tuvalabs.

2. Open the activity for Kelp and Box plots.

3. Select Blade Area from the Attributes card and drag it to the horizontal axis.

4. Select Site from the Attributes card and drag that to the vertical axis.

5. Click on Site to highlight the different data distributions.

6. Go up to the Stats button in the toolbar and select Median.

7. Which data distribution has a larger Median?

8. Go up to the Stats button again and select Dividers.

9. What does that do?

10.Drag them around a bit.

11.Go up to the Stats button again and select Percent by Category.

12.Now, drag the dividers around again.

13.What do you notice?

14.Move the dividers so that you have found Quartile 1 and Quartile 3 for the

Double Wrap Site. How do you know when you have found the correct

placements?

15.Move the dividers so that you have found Quartile 1 and Quartile 3 for the

Single Wrap Site. How do you know when you have found the correct

placements?

16.Now, use the Sketch Tool to draw boxes around the middle 50% of the data (the

edges of the box are the dividers at Q1 and Q3).

17.Draw the whiskers from the edge of the box to the smallest and largest data

point for each set.

18.Draw the box and whisker plots for both sites.

19.Share your work with your teacher..