**Week 2 datasheet**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Group color or number\_\_\_\_\_\_\_\_ Section #\_\_\_\_\_\_\_\_

Observation : Leaves from the Elm and Musclewood trees seem to vary in size and shape.

Question 1:

Is the length of the leaves from my tree leaf related to their width?

Hypothesis:

Prediction:

Question 2:

Are the leaves from my tree grown in the shade different from those of the same species of tree grown in the sun?

Hypothesis:

Prediction:

Experimental design:

Collect 60 leaves from an Elm or Musclewood tree grown in the shade and 60 leaves from the same species of tree grown in the sun. Length and width of each leaf will be measured.

Question 1 variables:

Question 2 variables:

Data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Leaf # | Length (cm) | Width (cm) | Leaf # | Length (cm) | Width (cm) |
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Descriptive Statistics:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Sun |  | Shade |  |
|  | Length | Width | Length | Width |
| Max |  |  |  |  |
| Min |  |  |  |  |
| Range |  |  |  |  |
| Mean |  |  |  |  |
| Variance |  |  |  |  |
| Standard deviation |  |  |  |  |
| Standard error of the mean |  |  |  |  |
| 95% confidence interval |  |  |  |  |