1. Go to **https://www.desmos.com/calculator**.

2. With the cursor in Box 1 on the left side of the screen click on the PLUS to get the dropdown menu and select table.

3. Correctly enter the data into the table under the column labeled x_1 as shown below.
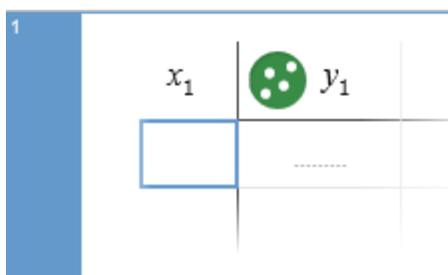
4. Go to Box 2 (and any subsequent boxes if calculating more than one statistic) and enter the following functions to determine the various statistics that can be calculated from a set of one-variable data. An example of how this might look in Desmos is shown to the right.

total(x_1): calculates the sum of all elements in the list

length(x_1): calculates the number of elements in a list

mean(x_1): calculates the mean of a list of numbers

median(x_1): calculates the median for a set of numbers

min(x_1): determines the smallest value in a set of numbers

max(x_1): determines the largest value in a set of numbers

quartile(x_1, 1): calculates the first (lower) quartile or Q1 (25th percentile) for a set of numbers

quartile(x_1, 3): calculates the third (upper) quartile or Q3 (75th percentile) for a set of numbers

mad(x_1): calculates the mean absolute deviation for a set of numbers

stdev(x_1): calculates the sample standard deviation for a set of numbers