

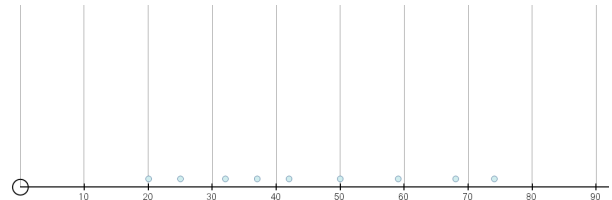
### 1. Create a New 1D Statistics Page



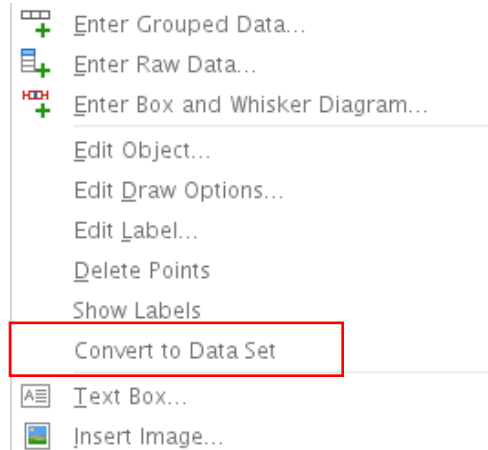
### 2. Using Point Mode, put some points

For this example we will use 9 data points.

(you might want to hide the y-axis)

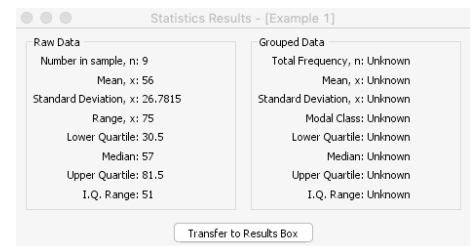
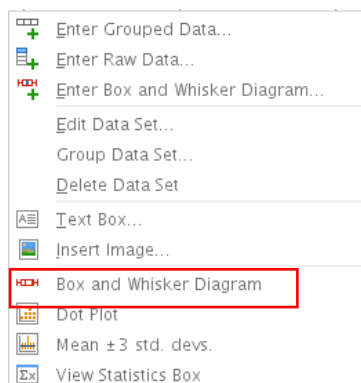


### 3. Use **Select Mode** to select all points. Right click, **Convert to Data Set**



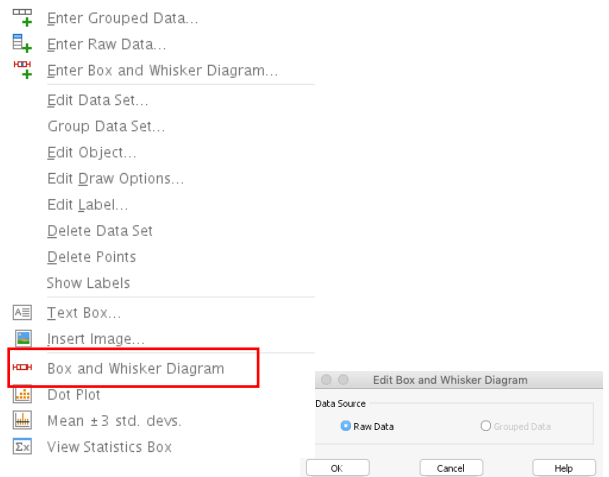
### 4. Right click and Select **View Statistics Box**

The Statistics dialog box will be displayed.



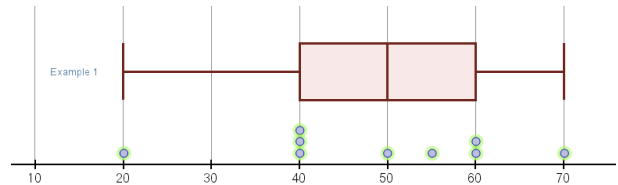
### 5. Right click and select the **Box and Whisker Diagram**.

The **Edit Box and Whisker Diagram** dialog box will open. Click **OK**.



### 6. The Box and Whisker diagram will be displayed.

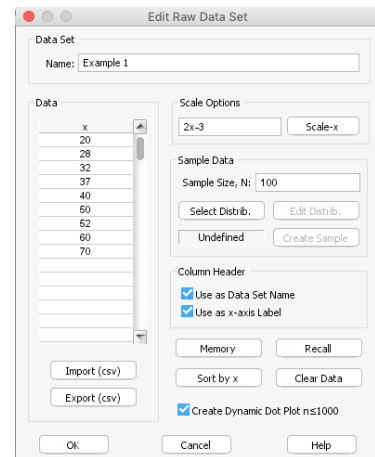
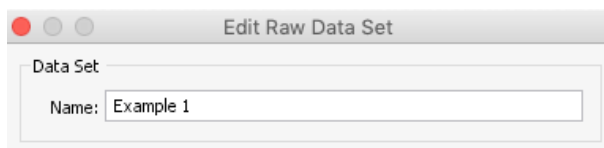
To move a data point you need to use Ctrl And click and you can drag and move a point.



### 7. Double click on the Data Set from the **Key** (You can also right click **Edit Data Set**)

The **Edit Raw Data Set** dialog box will open.

You can rename the **Data Set**

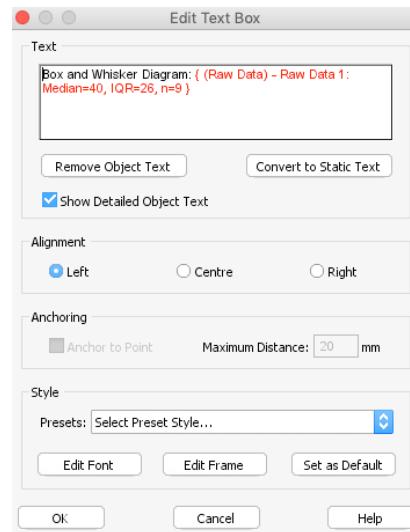


### 8. Using **Select Mode** click on the Box and Whisker diagram and then **Text Box**





9. The **Edit Text Box** will be displayed with Information about the Box and Whisker diagram displayed.



10. You can move the individual points

Median=40, IQR=20, n=9

See if you can create:  
Median: 40 IQR = 20



### 1. Create a New 1D Statistics Page



### 2. Right click, Enter Raw Data

- Enter Grouped Data...
- Enter Raw Data...
- Enter Box and Whisker Diagram...
- Text Box...
- Insert Image...

### 3. Right click, Enter Raw Data

40  
45  
50  
50  
50  
50  
60  
65  
70  
75  
75  
80

You can copy and paste the list.

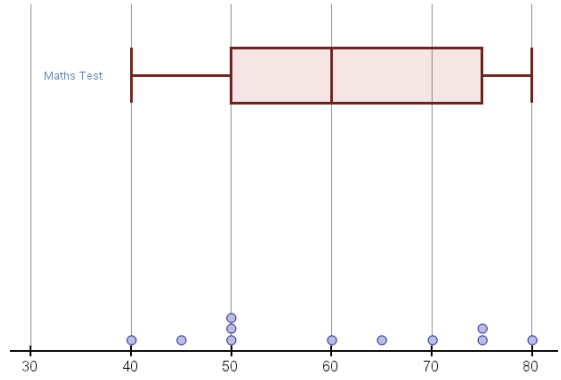
### 4. Give the **Data Set** a name.

Make sure the Create Dynamic Dot Plot is checked

Create Dynamic Dot Plot  $n \leq 1000$

### 5. Right click, Box and Whisker Diagram

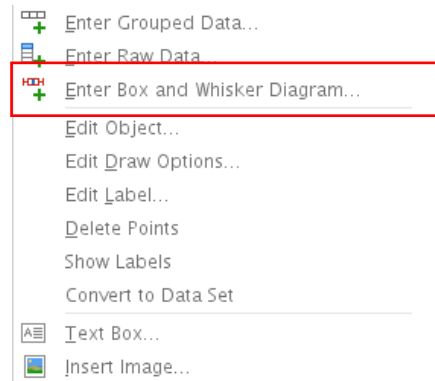
The **Edit Box and Whisker** dialog box will appear. Click **OK** and the Box and Whisker diagram will be displayed.



### 1. Create a New 1D Statistics Page

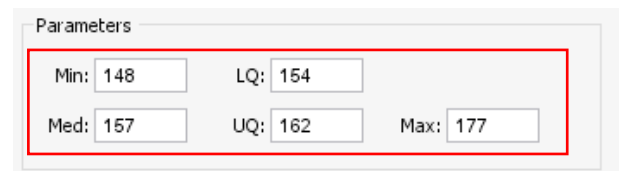


### 2. Right click, Enter Box and Whisker Diagram



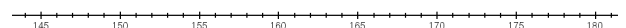
### 3. The Edit Box and Whisker dialog box will open.

**Min:** 148    **LQ:** 154  
**Med:** 157    **UQ:** 162    **Max:** 177



### 4. The Box and Whisker diagram will be displayed.

You can then adjust the axes.





- 1.** Create a data set where:  
the minimum, maximum, quartiles  
and median are all equally spaced



- 2.** Both Whiskers are the same length  
as the box.



- 3.** The box between the median and lower  
quartile is three times as long as the box  
between the median and upper quartile.



- 4.** There is no right whisker.



- 5.** 44, 47, 49, 53, 56, 58, 63, 67, 75, 79, 88

Create a Box and Whisker diagram and find the Median, LQ, UQ.

- 6.** Compare the 3 sets of data below:

Set 1:

95, 161, 152, 173, 144, 98, 128, 156, 121, 125, 176, 123, 164

Set 2:

137, 175, 101, 123, 132, 166, 168, 224, 186, 77, 113, 99

Set 3:

201, 169, 188, 92, 57, 157, 92, 222, 143

Create a Box and Whisker diagram and compare.

- 7.** Create a set of data with IQR is 11. List as many possible solutions as possible.