Expert Group 3 – Box Plots

Watch LearnZillion **https://learnzillion.com/lesson_plans/7247-create-a-box-plot**.

Answer the questions below about box plots.

1. **What is a box plot?**

   A box plot is a graphical display of data grouped into four sections or quartiles.

2. **How is the data split up in a box plot?**

   The data is split in half and then each half is split in half again. This gives four sections of data.

3. **What are some common misunderstandings about box plots?**

   Some people assume a wide section has more data than a narrow section of the box plot.

4. **What are the steps to creating a box plot?**

   1. Organize the data.

   2. Create the number line and intervals to be used.

   3. Plot the least and greatest data points.

   4. Determine the median, 1st quartile and 3rd quartile. Draw the box for these values.
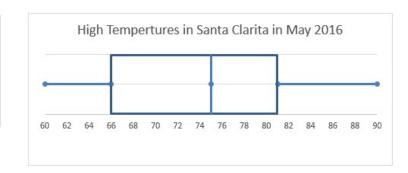
   5. Draw the whiskers to the extremes.

5.   **Create a box plot of the data set below.**

High Temperatures in Santa Clarita in May of 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
May 1 74°	May 2 80°	May 3 83°	May 4 78°	May 5 60°	May 6 62°	May 7 62°
May 8 66°	May 9 68°	May 10 72°	May 11 83°	May 12 90°	May 13 84°	May 14 78°
May 15 70°	May 16 75°	May 17 81°	May 18 86°	May 19 76°	May 20 66°	May 21 63°
May 22 71°	May 23 67°	May 24 65°	May 25 66°	May 26 76°	May 27 81°	May 28 80°
May 29 73°	May 30 81°	May 31 86°				

High Tempertures in Santa Clarita in May 2016