Desmos

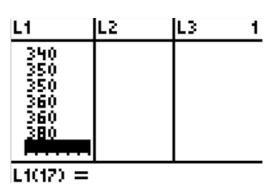
1. Name and create a list of data. f = [340,340,310,320,310,360,350,330]f = 16 element list 2. Press **enter** to move to the next line. 3. Select the **keypad** button in the ----lower left corner. Dist Misc Trig Stats Select functions. 4. VISUALIZATIONS 0 histogram dotplot boxplot 5. Select the **Dist** menu. DISTRIBUTIONS (2) normaldist tdist poissondist Select histogram. 6. binomialdist uniformdist pdf cdf inversecdf *Hint: You can also type histogram(into the expression without going to random the functions tab. functions 7. Enter the list name and desired bin width. (list name, bin histogram f,30width) Data Set, Bin Wi BAR HEIGHTS @ BIN ALIGNMENT Count Relative Density Center Left 8. Select the **magnifying glass** to allow Desmos to Zoom Fit the window to the data.

Adjusting your Histogram

Click the circle to turn the graph histogram(f,30)on and off. Data Set, Bin Width BAR HEIGHTS (1) BIN ALIGNMENT Click and HOLD to change the Count Relative Density Center Left color of the histogram. Select **Relative** to change the y-axis to relative frequency. Select the magnifying glass to histogram(f.30)allow Desmos to Zoom Fit the Data Set, Bin Width window again. BAR HEIGHTS @ BIN ALIGNMENT Count Relative Density Center (Left • Select **Left** to place the left \oplus edges of bins at integer multiples of the bin width (preferred). Click the **wrench** to manually adjust the window, scales and axis labels. Recommended: Set the X-Axis **Step** equal to your bin width. # of Calories in Frozen Cheese Pizza se

TI Graphing Calculator

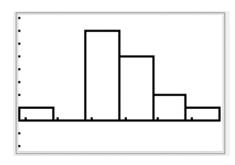
1. Type data into **L1**



- 2. Press **2ND** □ **Y=** □ **1: Plot1...**
- 3. Ensure that Plot1 is **On** and the histogram is selected.



4. Select **ZOOM** □ **9: ZoomStat**



Adjusting your Histogram

 Select WINDOW to adjust your axes min and max and the Xscl (bin width).

Creating a Histogram Reference Sheet