Personal reaction time (to a visual stimulus)

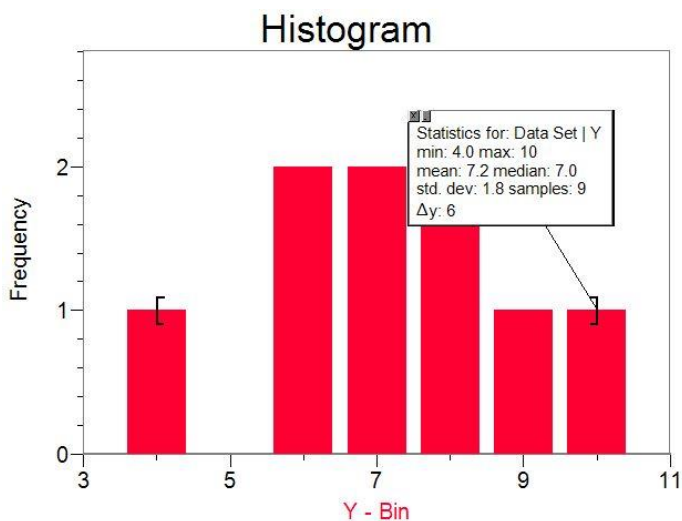**1** Open … https://faculty.washington.edu/chudler/java/redgreen.html

2 Open Logger Pro. Measure your reaction time in five sets of five trials and enter the times in column Y. (25 data points).

If you were distracted (hit the button late), or you clicked the button early, before the light changed, discard that result and repeat that set of five measurements.

3 Go to **Insert** … **Additional graphs** …. **Histogram**. Right click on the Histogram and open **Histogram options**. Set the **Bin size** to give a histogram with six to eight bars. Go to **Analyze** and click **Statistics**. Right click on the ticket that appears on the Histogram and set the precision to a sensible value.

	Data Set		Histogram	
	X	Y	Y - Bin	Y - Hist
1		7	4	1
2		8	5	0
3		6	6	2
4		8	7	2
5		9	8	2
6		4	9	1
7		7	10	1
8		6		
9		10		
10				

Histogram

Statistics for: Data Set | Y
min: 4.0 max: 10
mean: 7.2 median: 7.0
std. dev: 1.8 samples: 9
Δy: 6

5 Your Histogram will look something like this (with different scales). After having done this, what questions would you like to ask? *Print one page and return it with your name and class.*

Note: your data will be compiled in Logger Pro to find an average reaction time for M4. It is important that your data is **independent** and reliable.