## GeoGebra Tutorial: Basic Statistics

- 1. Turn on the Spreadsheet view. Copy the data from "data.xls" to the cells A1 to A40.
- 2. Highlight the cells A1 to A40. Select One Variable Analysis  $\blacksquare$  . Click "Analyze".
- 3. Click "Show 2<sup>nd</sup> Plot". Show the histogram and the boxplot.



4. Show the stem and leaf plot and the dot plot.

Dah Analysis											
Statistics 🗸		Stem and Leaf Plot	-1 0 +1								Ľ
n	40										
Mean	48.45			1   5	<b>,</b> ,	5 1		E	E.		
σ	21.6598			$\frac{2}{3}$ $\frac{0}{2}$	33	4 5	5 6	9	9	0	
s	21.9357			4 2	5						
Σχ	1938			$5   1 \\ 6   2$		2 4	46 5	6	8	9	
Σx²	112662			7 1	5	0 (	,				
Min	15			8 4	5 5	7					
Q1	26		Г	9   6							
Median	51			$\operatorname{Key}:$	3 1 n	leans	31				
Q3	63		L								
Max	96	Dot Plot	~								•
											Graph
•									Show Grid		
		•									Automatic Dimensions
		•									Dimensions
				~				_			x Min: -5.25
			•								x Max: 116.25
0 0 0 00 0 00 0 0 0 0 0 0 0 0 0 0 0 0 0										X Step: 10	
		0 10 20	30 40	50	60	70	80	90	) 1	00	110 V Min: -0.7258



5. Show the cumulative frequency polygons with different number of groups.