

Section 2-2 Page 67 # 17

Here is the problem we did in class. Use it as a reference to study.

- This picture is the chart with all the necessary columns (boundaries, frequency, cumulative frequency, midpoint, relative frequency, relative cumulative frequency)

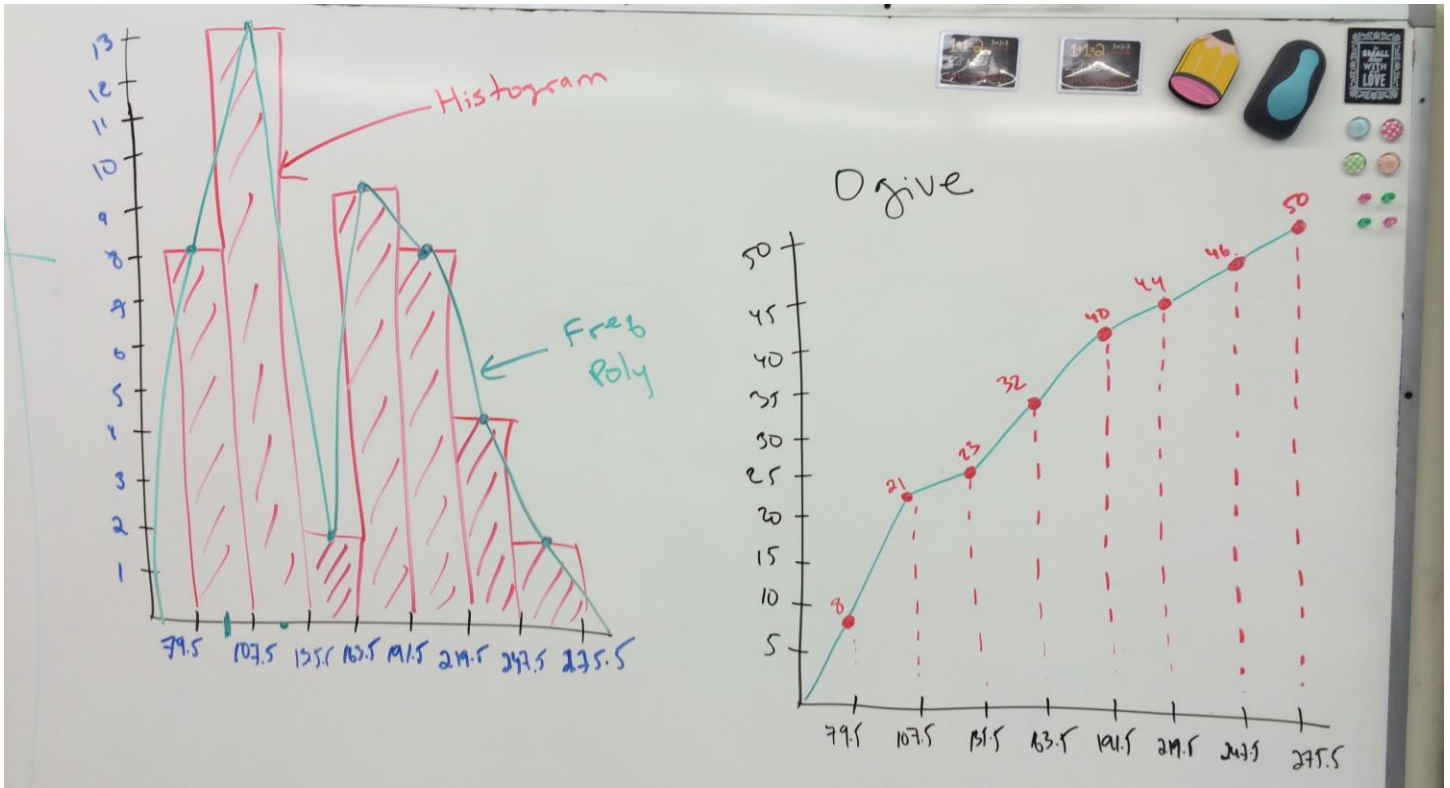
17. Range $270 - 80 = 190$

width $\frac{190}{7} = 27.1 \approx 28$ (For Frequency polygon)

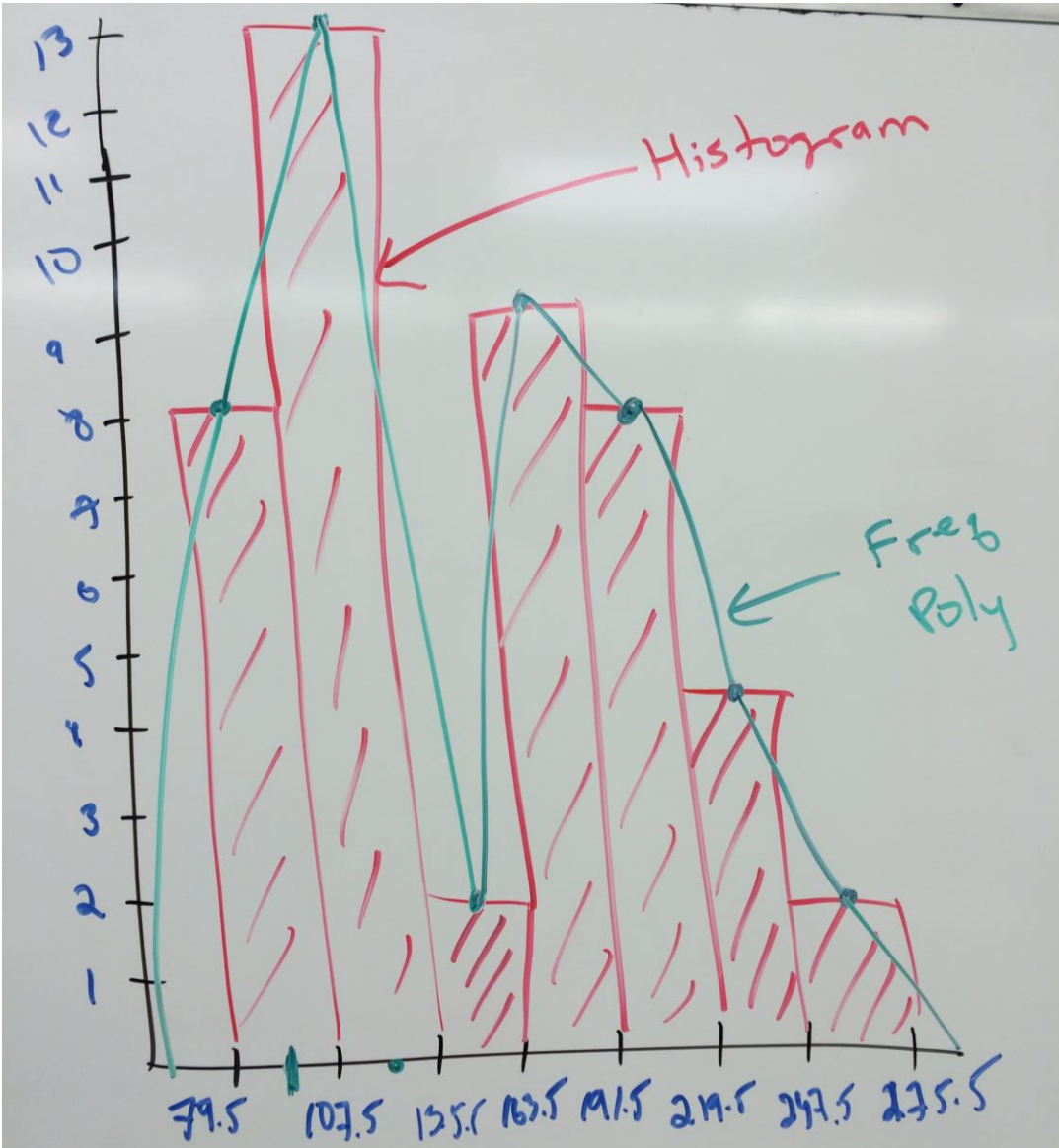
X - Histogram boundaries
 + - Hist. Freq. Poly. to give

Class	Boundaries	Freq.	Cumulative	Midpt	Relative Freq	Relative Cumulative Freq.
80 - 107	79.5 - 107.5	8	8	93.5	$8/46 = 0.17$	0.17
108 - 135	107.5 - 135.5	13	21	121.5	$13/46 = 0.29$	0.46
136 - 163	135.5 - 163.5	2	23	149.5	$2/46 = 0.04$	0.50
164 - 191	163.5 - 191.5	9	32	177.5	$9/46 = 0.20$	0.70
192 - 219	191.5 - 219.5	8	40	205.5	$8/46 = 0.17$	0.87
220 - 247	219.5 - 247.5	4	44	233.5	$4/46 = 0.09$	0.96
248 - 275	247.5 - 275.5	2	46	261.5	$2/46 = 0.04$	1
					$\Sigma = 1$	

2. All three graphs



3. Close up of Histogram and Frequency Polygon



4. Close up of the Ogive

