

ECO220Y
Stata Summary and Grouped Data
Readings: Chapter 5 (5.7)

Fall 2011

Additional Notes

Stata Summary

raw_pts_quiz1

Percentiles		Smallest			
1%	6		6	Obs	112
5%	12		6	Sum of Wgt.	112
10%	15		9		
25%	18		9		
50%	21			Mean	20.30357
75%	24			Std. Dev.	4.848775
90%	27				
95%	27			Variance	23.51062
99%	30			Skewness	-.6615639
				Kurtosis	3.611664

The blue box tells you the first, second and third quartiles together with the values for the most important percentiles of the data

The red box tells you the smallest and the largest values in the data

The green box tells you the two most important statistics – mean and st.d., and the sample size

Tabulation

X	Freq.	Percent	Cum.
0	14	11.11	11.11
6	2	1.59	12.70
9	3	2.38	15.08
12	6	4.76	19.84
15	9	7.14	26.98
18	19	15.08	42.06
21	38	30.16	72.22
24	22	17.46	89.68
27	10	7.94	97.62
30	3	2.38	100.00
Total	126	100.00	

Grouped Data

X		Freq.	X*Freq.	X*Percent
0	x	14	= 0	0*11.11=0
6	x	2	= 12	6* 1.59=9.54
9	x	3	= 27	9* 2.38=21.42
12	x	6	= 72	12* 4.76=57.12
15	x	9	= 135	15* 7.14=107.1
18	x	19	= 342	18*15.08=271.44
21	x	38	= 798	21*30.16=633.36
24	x	22	= 528	24*17.46=419.04
27	x	10	= 270	27* 7.94=214.38
30	x	3	= 90	30* 2.38=71.4
Total		126	2274	1804.5

$$\text{Mean} = \text{Total} / n = 2274 / 126 = 18.05$$

$$\text{Mean} = \text{Total (Percent)} / 100 = 1804.5 / 100 = 18.05$$