## 11.1. Graphing Data Monday, April 16, 2018 12:16 PM

Enequency Distributions:

large amount of data can be hand to analyze

unless it is organized in some manner.

To organize lists of data points, we can construct

a frequency table, dividing data into groups

by using class intervals. We can draw histogram

and frequency polygon.

E.g.

Commute Times							
0.3	0.7	0.2	0.5	0.7	1.2	1.1	0.6
0.6	0.2	1.1	1.1	0.9	0.2	0.4	1.0
1.2	0.9	0.8	0.4	0.6	1.1	0.7	1.2
0.5	1.3	0.7	0.6	1.1	0.8	0.4	0.8

A random sample was chosen from among the employees of a company. Their commute times (in hours) to work are recorded.

I) Construct a frequency table showing the frequency, relative frequency, cumulative frequency, and relative cumulative frequency. Using class intervals of equal width starting 0.2 - 0.4 Clars Interval | Freq. | Rel. Freq | Cum. Freq | Rel. Cum. Freq 1/8 1/8 [0.2, 0.4) 4 9/32 (0.4,0.6) 5/32 17/32 1/4 (0.6,0.8) 17 11/16 5 | 32 22 (0.8, L) 7/8 3/16 28 [1,1.2)[1.2, 1.4) 1/8 1 4 32

32

Total