

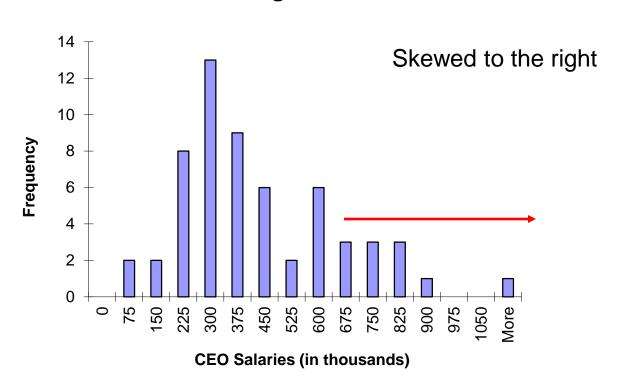
Mean versus Median

'Skewness' of the data

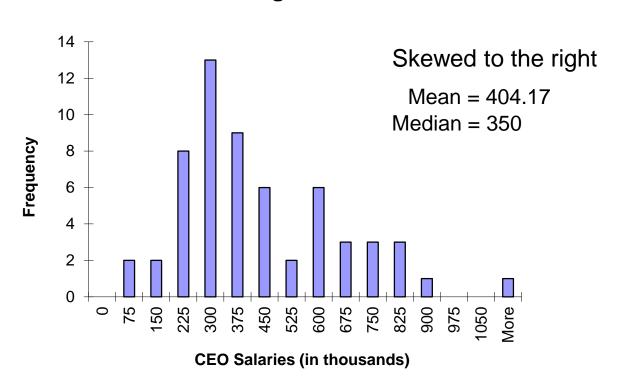




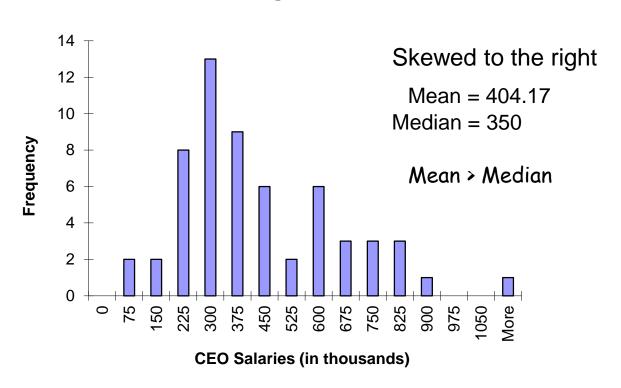




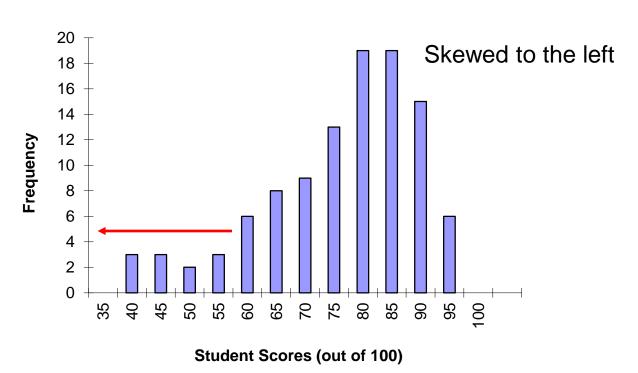




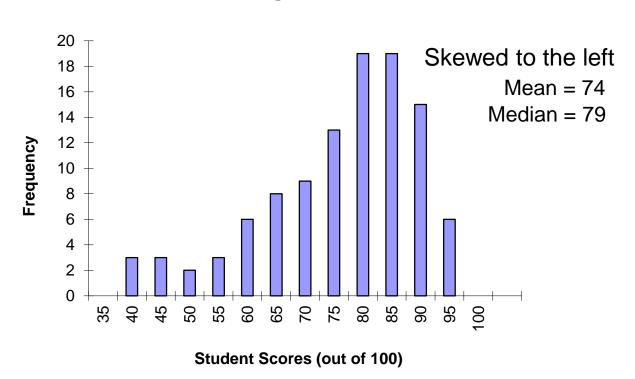




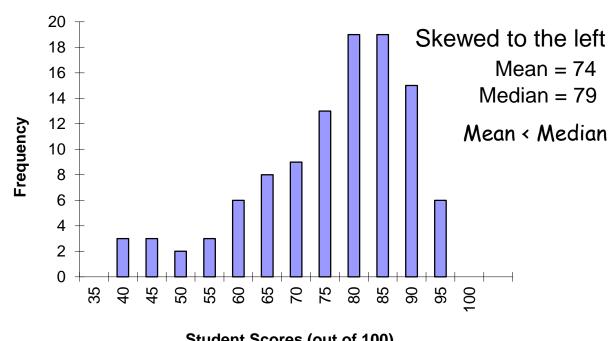












Student Scores (out of 100)



Mode

The mode is the most frequently occurring value in a set of data.



Mode

The mode is the most frequently occurring value in a set of data.

=MODE.SNGL(number1, number2, ...)



Mode

Not a very relevant descriptive statistic when the data is essentially continuous.

Date	Rate
1-Jan-16	0.920945
2-Jan-16	0.920555
4-Jan-16	0.920725
5-Jan-16	0.926355
6-Jan-16	0.931012
7-Jan-16	0.929196
8-Jan-16	0.921235
9-Jan-16	0.917684
11-Jan-16	0.91533
12-Jan-16	0.918274
13-Jan-16	0.923063
•••	•••
•••	•••

Daily exchange rate, Dollar to Euro



Measures of Central Tendency

Mean

Median

Mode

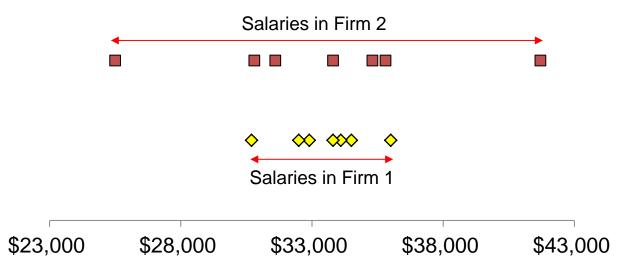




Firm 1	Firm 2
\$34,500	\$35,800
\$30,700	\$25,500
\$32,900	\$31,600
\$36,000	\$41,700
\$34,100	\$35,300
\$33,800	\$33,800
\$32.500	\$30.800

Mean = \$33,500 Mean = \$33,500 Median = \$33,800 Median = \$33,800







The 'Range' measure

= Maximum of data - Minimum of data



Range of salaries in Firm 1

- = Maximum Salary Minimum Salary
- = \$36,000 \$30,700
- = \$5,300

Range of salaries in Firm 2

- = Maximum Salary Minimum Salary
- = \$41,700 \$25,500
- = \$16,200



The 'Range' measure

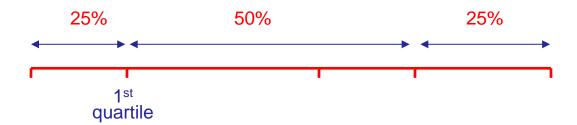


The 'Range' measure





The 'Range' measure



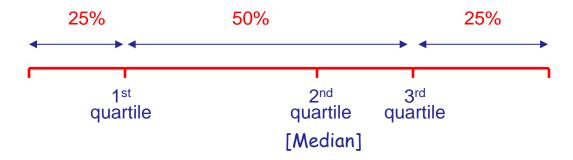


The 'Range' measure



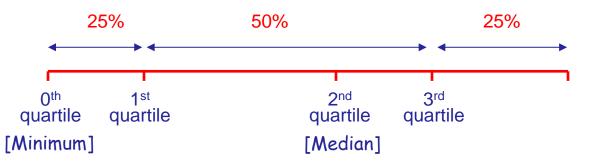


The 'Range' measure



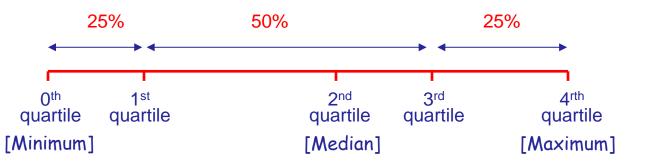


The 'Range' measure

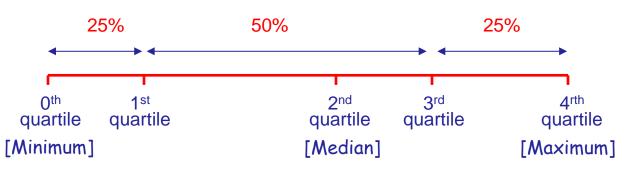




The 'Range' measure



The 'Range' measure





The 'Range' measure

The 'Inter Quartile Range' measure

=QUARTILE.INC()



The 'Range' measure

The 'Inter Quartile Range' measure

=QUARTILE.INC(array, quart)



The 'Range' measure

The 'Inter Quartile Range' measure

=QUARTILE.INC(array, quart)

IQR = QUARTILE.INC(array, 3) - QUARTILE.INC(array, 1)

