

Level of Measurement



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Types of variables/ Level of Measurement



- Nominal Variables. (Labeling)
- Ordinal Variables. (Frequency Distribution, %)
- Interval Variables. (regression analysis)
- Ratio Measures. (regression analysis)

Levels of Measurement

Nominal

Attributes are only named; weakest

Ordinal

Attributes can be ordered

Interval

Distance is meaningful

Ratio

Absolute zero



Type of descriptive statistic	Level of measurement			
	Nominal	Ordinal	Interval	Ratio
Mode, counts, frequency	Yes	Yes	Yes	Yes
Median, minimum, maximum, range.	No	Yes	Yes	Yes
Mean, variance, standard deviation.	No	No	Yes	Yes