Define Terms:

UOA/Case Variable Value

4 Levels of measurement

Definition of a term:

Reliability Validity **UOA/Case** – A specific item within a population **Variable** – One descriptor which is being measured in a population. **Value** – The data within a variable for a particular case.

Nominal (Discrete) – Names are assigned to categories.

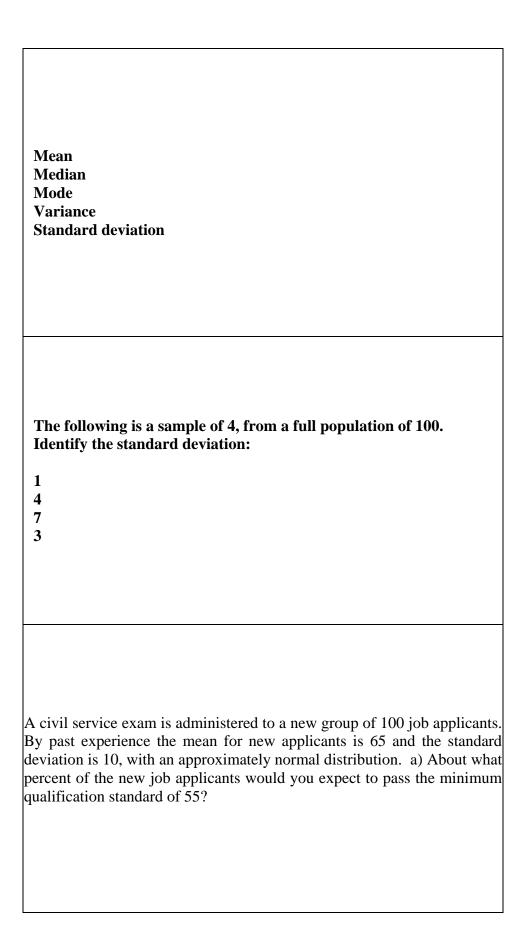
Ordinal – Categories can be ranked (1st, 2nd, 3rd).

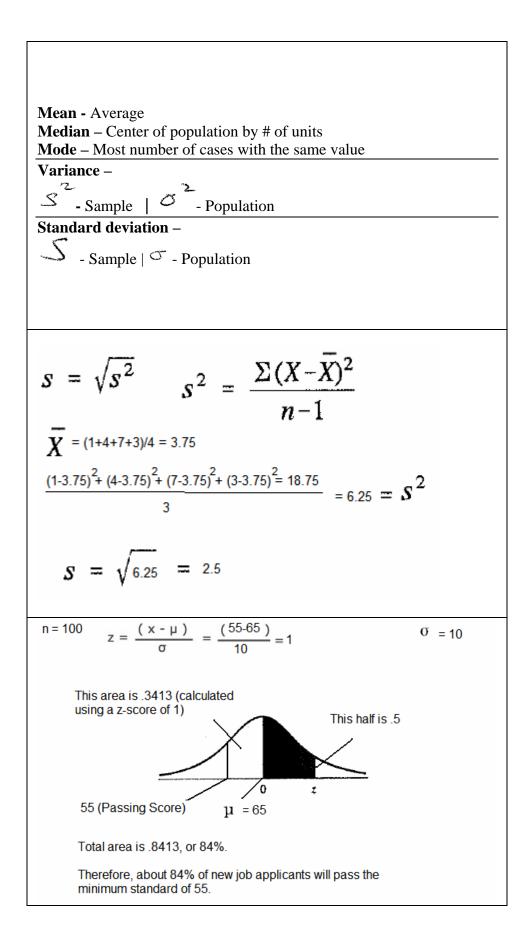
Interval – Differences can be meaningfully compared, but no 0 on the scale.

Ratio - Meaningful ratios between pairs of numbers

Reliability – The consistency of a set of measurements or measuring instrument.

Validity - A variable or measure is valid if its values are close to the true values of the thing that the variable or measure represents. In plain language, it's valid if it measures what it's supposed to.





A civil service exam is administered to a new group of 100 job applicants. By past experience the mean for new applicants is 65 and the standard deviation is 10, with an approximately normal distribution. b) About how high a score is required to score in the top 10%?

Understand basic idea of a control chart and be able to determine upper and lower control limits given the mean and standard deviation

a variable sample mean population mean sample standard deviation sample variance population standard deviation population variance sample proportion population proportion

