

Test 1 Review

- The test is mostly short answer, with some multiple choice and essay
- There are only 15 questions, so focus on the most important points

General Test Advice:

- Answer every question even if you guess – you can get partial credit
- Show your work – you can get partial credit even if the final answer is incorrect
- Work through practice items in text book and text website
- You will be given formulas, but you need to know what to do with them

Topics:

- Definition of descriptive and inferential statistics
- Be able to identify dependent and independent variables
- Definition of 4 scales of measurement
 - and be able to give examples of each
- Define measures of central tendency,
 - be able to calculate each,
 - and be able to interpret (in 'English') each measure
- Be able to choose among measures of central tendency
 - and say why
- Be able to identify the best measure of reliability for different types of scores
- Define measures of variability,
 - be able to calculate each,
 - and be able to interpret (in 'English') each measure
- Be able to create a frequency table
 - and frequency histogram
- Be able to identify skew from measures of central tendency
 - and frequency distributions
- Be able to calculate measures of central tendency from a frequency distribution
- Be able to interpret the sign
 - and size of correlation coefficients
- Definition of reliability and validity,
 - be able to distinguish the two,
 - and be able to identify how they relate to each other
- Identify the type of reliability to be established in different test situations,
 - as well as the importance of error for equations of reliability