

Chapter 4 – Understanding Your Data and Checking Assumptions Study Guide

OBJECTIVES:

The student will be able to:

1. Describe the purpose of Exploratory Data Analysis (EDA).
2. Explain the purpose of statistical assumptions.
3. Select appropriate types of analyses and plots to conduct EDA based upon the level of measurement of the variable.
4. Utilize SPSS to conduct EDA.
5. Interpret SPSS output from EDA.

TERMINOLOGY:

- exploratory data analysis (EDA)
- statistical assumptions
 - homogeneity of variances
 - normality
- parametric tests
- robust
- non-parametric tests
- skewness
 - positive skew
 - negative skew

ASSIGNMENTS: See additional activities and extra SPSS problems for assignment examples.