

Week 2: Learning Objectives

LAB #1 TIME

Week 2



Intro to Probability, Distributions, Z-Scores

Laerd "Creating a New File", "Opening a File", "Data Setup", "Calculating a Z-Score".

- What is "probability"?
- Theoretical Probability versus Empirical Probability
- Basic approaches to probability: non-parametric and parametric

Lab 1 (Introduction to Probability Using SPSS Including Z-Score Application: Thursday Work Session)

Overview

- Theme for this week: defining and analyzing the broad concept of probability

Objectives

1. Explain the need for both theoretical and empirical concepts of probability
2. Differentiate between the two basic approaches to probability: non-parametric and parametric statistics
3. In Lab #1 this week, we will address the following:
 1. Develop practical skills using the concept of probability with the statistical software package SPSS
 2. Use terminology from class in an applied setting: Element, Sample, Population, Variable
 3. Use measurement scales and convert between measurement scales
 4. Use Z-Scores to define extreme categories in a dataset

Weekly To Do List

Try to complete these tasks in the following order this week:

1. Complete readings for this week (listed here in Canvas or in the syllabus) before the first class of the week
2. Review Lab #1 materials before Thursday
3. Complete Lab #1 in our Thursday lab time