

Objectives

The objective is to:

- Identify the needs of statistics to apply in Data Science
- Learn the fundamental of descriptive statistics
- Learn Measures of Center and Measures of Variation
- Learn Chebyshev's Rule and the Empirical Rule and how they apply to different data.

Target

The topic targets computer engineers willing to embark in some mathematical concepts needed for data science and analysis.

Prerequisites

High School diploma or equivalent.

Program

- Day1: The Nature of Statistics: Statistics Basics, Simple Random Sampling and other Sampling Designs
- Day2: Descriptive Statistics: Variables and Data, Organizing Qualitative Data,
- Day3: Descriptive Statistics: Organizing Quantitative Data, Distributive Shapes.
- Day4: Descriptive Measures: Measures of Center, Measures of Variation, the Five Number Summary, Box Plot
- Day5: Chebyshev's Rule and the Empirical Rule
- Day6: Descriptive Measures for Populations; Use of Samples

Organization

- 12 hours
- 2 hours / day