

Statistics Summary

Course Textbook is a custom edition textbook by Comap, *CP Eastern Connecticut State For All Practical Purposes*, published by Macmillan Learning Curriculum Solutions. ISBN-10: 1-319-09191-1/ ISBN-13: 978-1-319-09191-0.

Know The Following Definitions

- Mean
- Median
- Range
- Quartiles
- Standard Deviation

Be Able To

- Develop an understanding of the concept of a Distribution
- Learn how to display distributions using Pie Charts, Bar Charts, Histograms and Stem Plots
- Learn how to measure the center of a distribution by the Mean and the Median
- Learn how to measure the spread of a distribution by using the Range, Quartiles, and Standard Deviation
- Learn how to construct BoxPlots
- Learn how to construct Scatterplots
- Learn methods for studying the relationship between two quantitative/numerical variables.
- Learn methods for finding the equation of a line that “best fits” the data.