



## Activity-Based Statistics, Student Guide

By Scheaffer, Richard L.

Wiley, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface x To the Student xi Acknowledgments xii I. EXPLORING DATA A Living Histogram 2 How to build a histogram out of people. Getting to Know the Class 4 Surveying the class. Exploratory data analysis. Displaying categorical and quantitative data. A Living Box Plot 8 How to construct a box-and-whisker plot with people. Shape, center, and spread. V Is for Variation: How Far Are You from the Mean? 10 Measuring variability in data. Matching Plots to Variables 14 Connecting our knowledge of real-life distributions to their graphs. Matching Statistics to Plots 19 Matching summary statistics to graphs of distributions. How the mean can differ from the median. Variation in Measurement 23 Collecting measurement data and looking at its distribution. Measurement Bias 27 Experiencing measurement bias. Let Us Count 35 Variation due to the process of measurement. Matching Descriptions to Scatter Plots 39 Making the correspondence between scatter plots and statistics (regression line and r). The Regression Effect 43 Find out about the regression effect. CONTE NTS Leonardo's Model Bodies 48 Looking at correlation between the sizes of different body parts. Relating to Correlation 54...

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