

# PREFACE

This guide is a student's supplement for the text *Statistics: Learning in the Presence of Variation*. Like the text, this guide consists of 16 chapters. For ease of cross-referencing, this guide and the text use the same chapter titles.

Each chapter of this guide contains the four sections described below.

1. **Study Suggestions.** Having taught from my book several times, I have developed some idea of the topics and sections that my students find difficult. In this section I provide some suggestions that, I hope, will make the text easier to understand.
2. **Solutions to Odd-Numbered Exercises.** The textbook contains brief solutions to all odd-numbered exercises. This guide provides, where needed, expanded solutions to the odd-numbered exercises. In cases where I believe the textbook solution to be adequately detailed, there is no solution in this guide. Throughout the textbook, with few exceptions, exercise 1 in a section will be similar to exercise 2, exercise 3 will be similar to exercise 4, and so on. Thus, suppose, for example, that your instructor assigns exercise 8, and that you have difficulty completing it. My advice is to attempt exercise 7, because it is similar to exercise 8. If you have difficulty with exercise 7, perhaps this guide will help. After understanding exercise 7, you may have better success with exercise 8.
3. **Exam Questions.** In this section I provide a mix of questions from my exams, and questions I believe would make good exam questions. My students have found these questions to be very helpful while studying for my exams. Note that if your course does not cover all sections of a chapter, consult your teacher to find out which exam questions in this guide can be ignored.
4. **Solutions to Exam Questions.** This section provides solutions to the questions of the previous section.

Four of the chapters in this guide contain a fifth section, titled **More Mathematics**. These sections fill-in some of the math not included in the text and are intended for the student who is proficient at and enjoys mathematics.

The textbook provides little guidance on how to use a computer to perform the computations of statistics. This manual contains no insight on this issue. The *Instructor's Manual* to the text, which your instructor has or can receive gratis from me, contains several suggestions on using a computer for statistics.

I hope you enjoy your study of statistics and that you find my materials helpful. I welcome any comments or suggestions you have.

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