Preface

Characterization of distributions plays an important role in statistical science. Using the basic properties of data, characterizations provide the type of distributions of that data set. Significant findings in this area have been published over the last several decades, and this book serves to be an extensive compilation of many important characterizations of univariate continuous distributions. Chapter 1 presents basic properties common to all univariate continuous distributions, while Chap. 2 discusses the properties of some select important distributions. Chapter 3 discusses ways to use independent copies of random variables to characterize distributions. Chapters 4–6 characterize distributions using order statistics, record values, and generalized order statistics, respectively.

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