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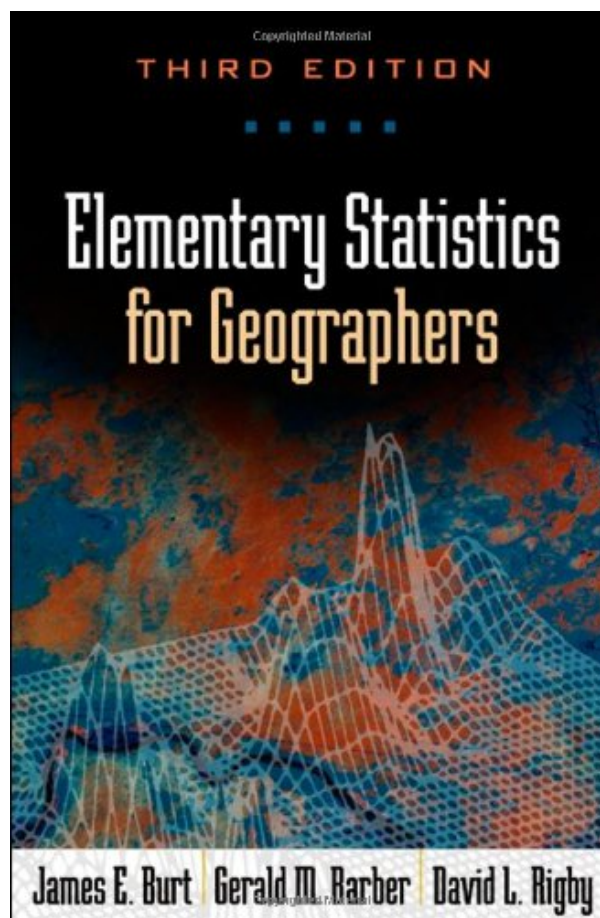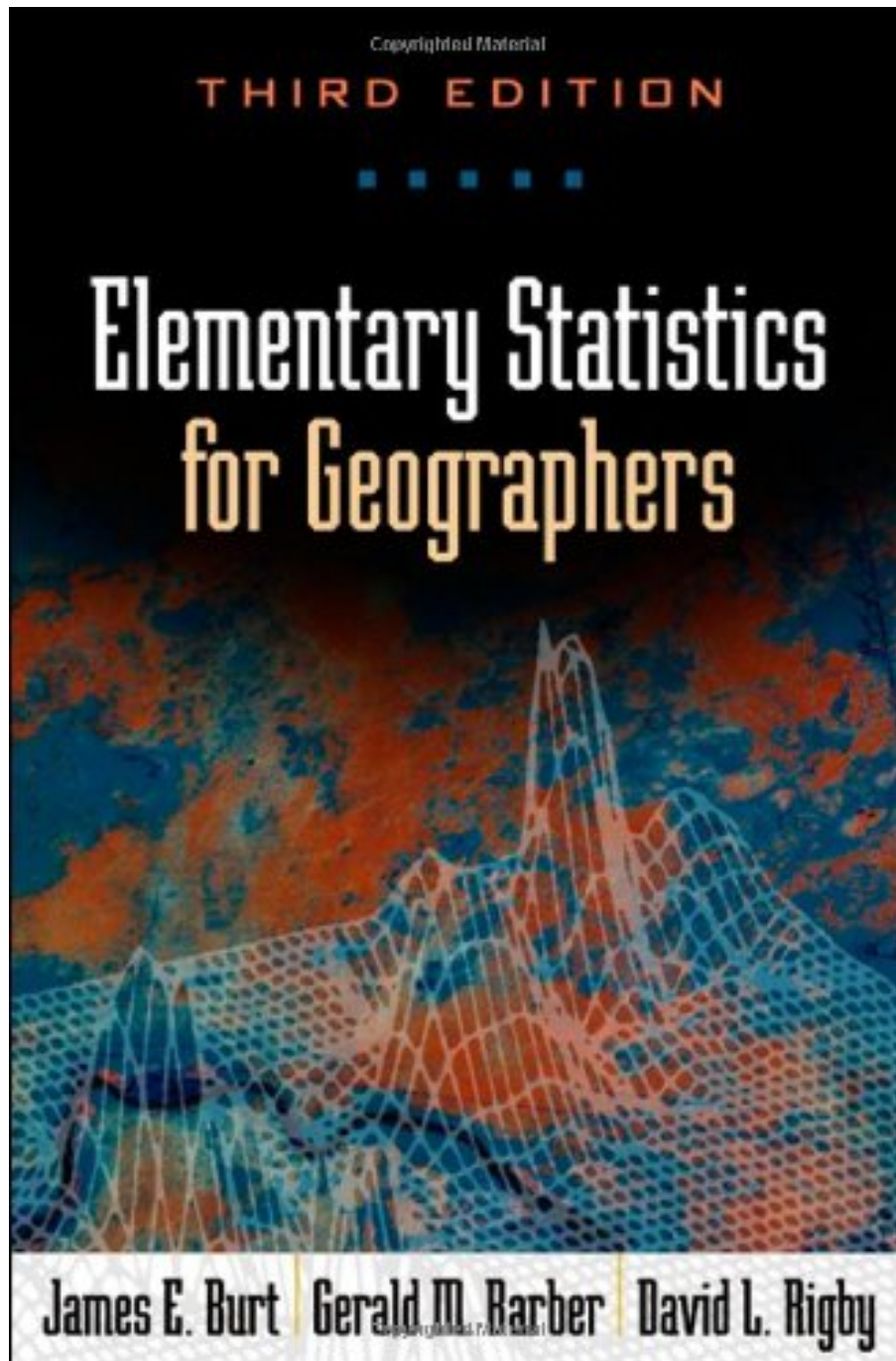

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James E. Burt | Gerald M. Barber | David L. Rigby

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"For more than 15 years, I've used prior editions of this text to teach statistics, because it explains difficult but crucial concepts--such as the central limit theorem--clearly and in depth. I also like the geographical examples and the inclusion of descriptive spatial and temporal statistics, such as moving averages and location quotients. Now, with David Rigby on board and a full-fledged treatment of multiple regression, spatial autocorrelation, and spatial regression, the best book just got even better."--Michael Kuby, School of Geographical Sciences, Arizona State University "A comprehensive introduction to statistical techniques and their appropriate use and application in geographic research. The book is unique in its treatment of both spatial and temporal data-analysis issues, and its methods are grounded in interesting research settings. Statistical concepts are presented in a clear and effective manner, with attention given to the theories and assumptions underpinning the techniques. Instructors will appreciate the structured exercises appearing at the end of each chapter, many of which make use of downloadable datasets. This appealing book is especially well suited as a text for senior undergraduate and beginning graduate geography courses in statistical analysis."--Mark W. Horner, Department of Geography, Florida State University

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Widely adopted, this uniquely comprehensive text introduces the techniques and concepts of statistics in human and physical geography. Unlike other texts that gloss over the conceptual foundations and focus solely on method, the book explains not only how to apply quantitative tools but also why and how they work. Students gain important skills for utilizing both conventional and spatial statistics in their own research, as well as for critically evaluating the work of others. Most chapters are self-contained in order to provide maximum flexibility in course design. Requiring no math beyond algebra, the book is well suited for undergraduate and beginning graduate-level courses. Helpful features include chapter summaries, suggestions for further reading, and practice problems at the end of each chapter.

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