



Business Statistics and Analytics in Practice, 9th ed.
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Detailed List of Changes:

Chapter 1

- Improved and simpler introduction to business statistics.
- Completely rewritten and much improved introduction to business analytics.
- Appendix on using JMP added.

Chapter 2

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 3

- Improved discussion of association rules.
- New section on text mining and latent semantic analysis added.
- Much improved discussions of hierarchical clustering, k-means clustering, and multidimensional scaling
Improved discussion of factor analysis.
- JMP examples and exercises added
- Appendix on using JMP added

Chapter 4

- Improved discussion of probability modeling.

Chapter 5

- A new chapter on “nonparametric” prediction analytics—classification trees, regression trees, k-nearest neighbors, and naive Bayes’ classification
- JMP examples and exercises added
- Appendix on using JMP added

Chapter 6 (Formerly 5)

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 7 (Formerly 6)

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 8 (Formerly 7)

- No significant changes

Chapter 9 (Formerly 8)

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 10 (Formerly 9)

- Improved section on formulating statistical hypotheses and the meanings of Type I and Type II errors.
- Much improved (More unified, simpler, clearer, and shorter) explanation of using critical value rules and p-values to test hypotheses

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 11 (Formerly 10)

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 12 (Formerly 11)

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 13 (Formerly 12)

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 14 (Formerly 13)

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 15 (Formerly 14)

- New section on model building for big data added.
- Improved discussion of diagnosing outlying and influential observations.
- JMP examples and exercises added
- Appendix on using JMP added

Chapter 16

- A new chapter on “parametric” predictive analytics—logistic regression, linear discriminate analysis, and neural networks
- JMP examples and exercises added
- Appendix on using JMP added

Chapter 17 (Formerly 15)

- Expanded discussion of exponential smoothing.
- New and fuller (but understandable) discussion, of the Box–Jenkins methodology.
- JMP examples and exercises added
- Appendix on using JMP added

Chapter 18 (Formerly 17)

- JMP examples and exercises added
- Appendix on using JMP added

Chapter 19 (Formerly 18)

- No significant changes.

Chapter 20 (on website–Formerly 16)

- Appendix on using JMP added