Table of Contents

Preface	vii
Chapter 1: Quantitative Research	1
1.1: Foundational Concepts	1
1.2: Data Ethics	21
1.3: Chapter 1 Review	<i>25</i>
Chapter 2: Descriptive Statistics	29
2.1: Introduction to Descriptive Statistics and Mic Excel	rosoft 29
2.2: Measures of Central Tendency	<i>52</i>
2.3: Measures of Dispersion	<i>58</i>
2.4: Measures of Relative Position	<i>68</i>
2.5: Normal Curve	71
2.6: Charts	<i>78</i>
2.7: Automated Procedures	111
2.8: Chapter 2 Review	119
Chapter 3: Inferential Statistics	123
3.1: Basic Concepts	124
3.2: Evaluating Test Assumptions	155
3.3: Chapter 3 Review	173
Chapter 4: Hypothesis Tests	179
4.1: Hypothesis Test Overview	179
4.2: Goodness-of-Fit Tests	185
4.3: Comparing Two Independent Samples	209
4.4: Comparing Multiple Independent Samples	246

4.5: Comparing Two Dependent Samples	275
4.6: Comparing Multiple Dependent Samples	307
4.7: Correlations	334
4.8: Linear Regression	396
4.9: Chapter 4 Review	418
Chapter 5: Research Reports	423
5.1: The Research Report	423
5.2: Research Report Organization	426
5.3: Chapter 5 Review	440
Appendix A: Statistical Abbreviations and Symbols	445
Appendix B: Glossary	451
Appendix C: About the Author	489
Appendix D: References	491
Index	495