## **CONTENTS**

Series Editor's Introduction		
Preface		vii
1.	Introduction	1
	Probabilities and Odds	2
	The Logistic Regression Model	3
	Categorical Predictors and Dummy Variables	5
	Predicted Values in Logistic Regression	6
	Interpretation of Coefficients	7
	Probabilities, Odds, and Log Odds Revisited	9
	Transformations of the Predictor Variables	11
	Definition of Interaction	12
	Hierarchically Well-Formulated Models	15
	Product Term Analysis Versus Separate Logistic	
	Regressions	17
2.	<b>Interactions Between Qualitative Predictors</b>	18
	Two-Way Interactions	18
	Three-Way Interactions	24
3.	Interactions Between Qualitative and	
	Quantitative/Continuous Predictors	30
	Two-Way Interactions With a Qualitative Moderator	
	Variable	30
	Two-Way Interactions With a Quantitative	
	Moderator Variable	34
	Three-Way Interactions	37
4.	Interactions Between Quantitative/Continuous Predictors	42
	Two-Way Interactions	42
	Three-Way Interactions	11

5.	Multicategory Models	46
	Ordinal Regression Models	47
	Multicategory Nominal Variables	50
6.	Additional Considerations	53
	Methods of Presenting Interaction Effects	53
	Calculating Confidence Intervals	58
	Calculating Coefficients of Focal Independent	
	Variables at Different Moderator Values	59
	The Bilinear Nature of Interactions for	
	Continuous/Quantitative Variables	61
	Partialling the Component Terms	63
	Multiple Interaction Effects	63
	Multicollinearity	65
	Model Selection and Trimming	66
	Transformations	67
	Confounded Interactions	67
	Computer Software	68

Notes

References

About the Author

69

69

70