

PROLOGUE

The first part of the book discusses the importance of understanding the context of the data being analyzed. It emphasizes the need for a clear research question and the selection of appropriate statistical methods. The author also highlights the importance of data quality and the potential pitfalls of using flawed data.

Method	Advantages	Disadvantages
Regression Analysis	Quantifies relationships between variables	Assumes linearity and independence of errors
ANOVA	Compares means across multiple groups	Requires normality and equal variances
Correlation	Measures strength and direction of relationship	Does not imply causation
Bayesian Inference	Incorporates prior knowledge into analysis	Requires specification of prior distributions

KINGSTON

