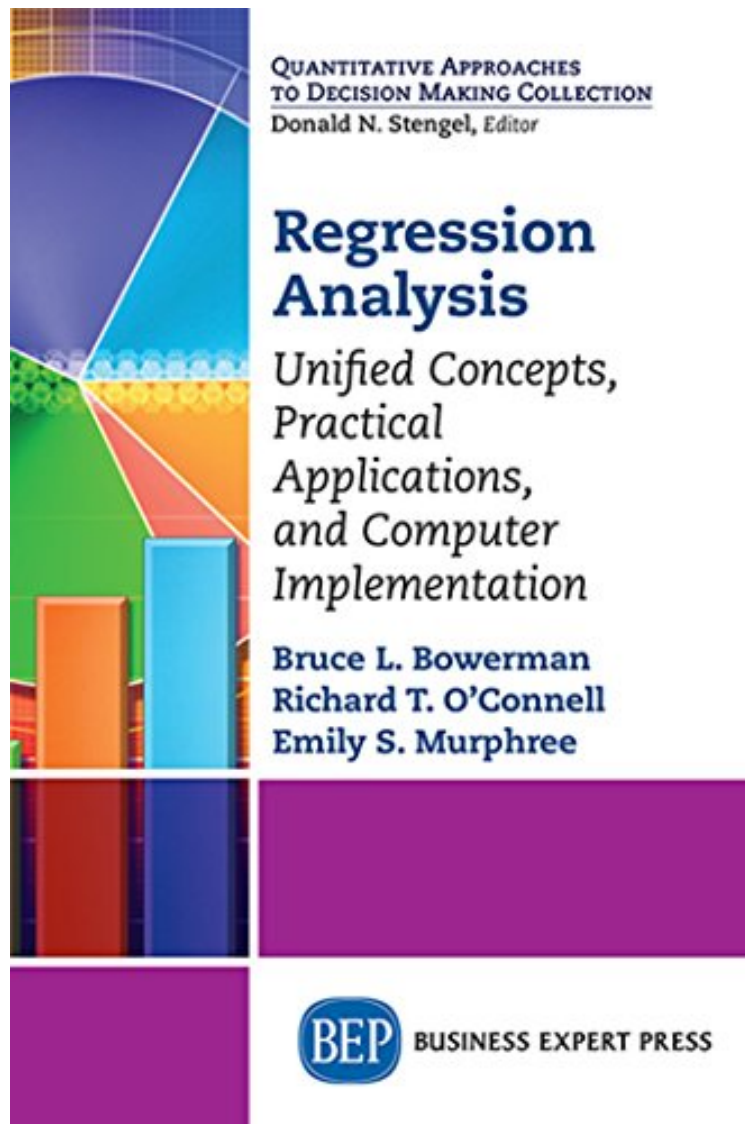


Regression Analysis: Unified Concepts, Practical Applications, Computer Implementation

Bruce Bowerman, Emily Murphree
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1 of 1 people found the following review helpful. This is an excellent book to start learning regression analysis By Konstantinos Passadis This is an excellent book to start learning regression analysis. It starts of by explaining simple linear regression, then moves to multivariate regression and finally to more advanced regression techniques. One of

the main advantages of the book is that it assumes little knowledge of statistics. During the discussion of the models you will learn how a model is built, how to interpret the model and how to properly test for the importance of regression variables. The tests are done both using software and are also calculated so you will understand how to perform them. After discussions, excellent summaries are provided.

Regression Analysis: Unified Concepts, Practical Applications, Computer Implementation is a concise and innovative book that gives a complete presentation of applied regression analysis in approximately one-half the space of competing books. With only the modest prerequisite of a basic (non-calculus) statistics course this text is appropriate for the widest possible audience including college juniors, seniors and first-year graduate students in business and statistics, as well as professionals in business and industry. The book is able to accommodate this wide audience because of the unique, integrative approach that is taken to the teaching of regression analysis. Whereas other regression books cover regression in four chapters, beginning with a statistical review, followed by chapters on simple linear regression, matrix algebra and multiple regression, this book introduces regression and covers both simple linear regression and multiple regression in single cohesive chapter. This is made possible through an efficient, integrative discussion of the two techniques. Additionally, in the same chapter (Chapter Two) basic statistical and matrix algebra concepts are introduced as needed in order to facilitate instruction. This approach avoids the needless repetition that is often found in longer treatments of the subject, while serving to bring a collective focus to students of widely varying mathematical backgrounds.

About the Author Bruce L. Bowerman is professor emeritus of decision sciences at Miami University in Oxford, Ohio. He received his PhD degree in statistics from Iowa State University in 1974 and has over forty years of experience teaching basic statistics, regression analysis, time series forecasting, and other courses. He has been the recipient of an Outstanding Teaching award from his students at Miami and an Effective Educator award from the Richard T. Farmer School of Business Administration at Miami.