

Experimental Designs: Exercises and Solutions

By D. G. Kabe, Arjun K. Gupta

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This volume is a collection of exercises with their solutions in Design and Analysis of Experiments. At present there is not a single book which collects such exercises. Theseexercises have been collected by the authors during the last four decadesduring their student and teaching years. They should prove useful to graduate students and research workers in Statistics. In Chapter I, theoretical results that are needed for understanding the material in this book, are given. Chapter 2 lists the exercises which have been collected by the authors. The solutions of these problems are given in Chapter 3. Finally an index is provided for quick reference. Grateful appreciation for financial support for Dr. Kabe's research at St. Mary's University is extended to National Research Council of Canada and St. May's Uni versity Senate Research Committee. For his visit to the Department ofMathematics and Statistics the authors are thankful to the Bowling Green State University.

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Editorial Review

Review

From the reviews:

"This interesting book provides a collection of theoretical exercises with solutions for instructors of graduate-level design of experiments classes. … The authors suggest that the book is suitable for graduate students of statistics and research workers. … This could be an interesting book for instructors of design and analysis of experiments classes looking to build their collection of available problems." (Christine M. Anderson-Cook, Journal of the American Statistical Association, Vol. 103 (481), 2008)

From the Back Cover

This volume provides a collection of exercises together with their solutions in design and analysis of experiments. The theoretical results, essential for understanding, are given first. These exercises have been collected during the authors teaching courses over a long period of time. These are particularly helpful to the students studying the design of experiments and instructors and researchers engaged in the teaching and research of design by experiment.

D. G. Kabe retired as Professor of Statistics from St. Mary's University in Canada, having taught statistics and guided Ph.D. students there. Earlier he has been a faculty member at the Dalhousie University, Northern Michigan University, and Wayne State University. He is the author/co-author of more than two hundred research papers and two books. His research interests include design and analysis of experiments, and multivariate statistical analysis.

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D. G. Kabe retired as Professor of Statistics from St. Mary's University in Canada, having taught statistics and guided Ph.D. students there. Earlier he has been a faculty member at the Dalhousie University, Northern Michigan University, and Wayne State University. He is the author/co-author of more than two hundred research papers and two books. His research interests include design and analysis of experiments, and multivariate statistical analysis.

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