



## Collected Papers: Supplementary Volume (Paperback)

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By Jack C. Kiefer

Springer-Verlag New York Inc., United States, 2011. Paperback. Book Condition: New. Softcover Reprint of the Orig. ed.. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The commentaries in this volume provide reviews of selected papers from the three-volume Collected Papers of Jack Carl Kiefer. From the Preface of Volume III: The theory of optimal design of experiments as we know it today is built on a solid foundation developed by Jack Kiefer, who formulated and resolved some of the major problems of data collection via experimentation. A principal ingredient in his formulation was statistical efficiency of a design. Kiefer's theoretical contributions to optimal designs can be broadly classified into several categories: He rigorously defined, developed, and interrelated statistical notions of optimality. He developed powerful tools for verifying and searching for optimal designs; this includes the averaging technique .for approximate or exact theory, and patchwork .for exact theory.Kiefer and Wolfowitz provided a theorem now known as the Equivalence Theorem. This result has become a classical theorem in the field. One important feature of this theorem is that it provides a measure of how far a given design is from the optimal design. He characterized...

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