

Selected Bibliography of Statistical Literature, 1930 to 1957: I. Correlation and Regression Theory

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This is the first in a series of bibliographies dealing with various specific subjects in the field of statistics. References and titles of important contributions in correlation and regression theory have been taken from technical journals published throughout the world since 1930.

Statistics per se is a relatively new science. Its literature has grown tremendously during the last several decades. Not the least of the statistician's difficulties is keeping abreast of this ever increasing abundance of writing even in his own particular area of the subject. Acquisition of more than a superficial acquaintance with statistical developments is rendered enormously more difficult by the fact that publications in this highly applied science appear in a myriad of journals, many of which are not readily accessible. This bibliography is intended to be of service by listing the most important contributions in statistical theory and methodology as judged by two prominent reviewing journals. The NBS Statistical Engineering Laboratory maintains a card file of abstracts taken from *Zentralblatt für Mathematik* for the years 1930 to 1939 and from *Mathematical Reviews* from 1940 onward. Each abstract has been assigned at least one subject category following the classification scheme of *Mathematical Reviews*. The present bibliography lists publications relating to correlation and regression theory. It is planned to follow this publication with similar ones dealing with other subject categories of statistics. As later abstracts appear and are classified and processed, it is hoped that they too will be published as supplements to the present bibliography. A considerable time lag is unavoidable, however.

The following information is extracted directly from the abstracts:

Author: The author's surname is followed by initials only. In the case of complicated surnames, the first capitalized word given in the reviewing journal is used. When the paper bears the names of more than one author, the journal reference appears with each author's name but the title of the paper is given with the senior author only. Multiple authorship is denoted by the symbol ♦ preceding the surname.

Title: Given exactly as in the reviewing journal. Titles of separately bound publications (books, reports, etc.) are italicized, and are followed by the publisher.

Reference to literature: The references were transcribed to punched cards thereby necessitating severe and unconventional abbreviations. The name of the journal in italics and the number of the volume in bold face, are followed by initial page number.

Date of publication: The next figure, in parentheses, shows the date when the article or book itself appeared.

M (for *Mathematical Reviews*) and *Z* (for *Zentralblatt für Mathematik*) are followed by the volume number and page number of the reviewing journal in which the abstract appears.

It is a pleasure to record the help of several members of the Statistical Engineering Laboratory. Dr. Churchill Eisenhart, who originally conceived the plans for this project, has always been ready with assistance and encouragement. Dr. Eugene Lukacs, now at the Catholic University of America, studied the alternatives for the subject classification and recommended the one used here. He also made innumerable selections from reviews not classified under the regular headings of probability and statistics. Dr. Norman Severo, now at the University of Buffalo, helped with the plans for mechanizing and transcribing the references in a form suitable for publication.

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