

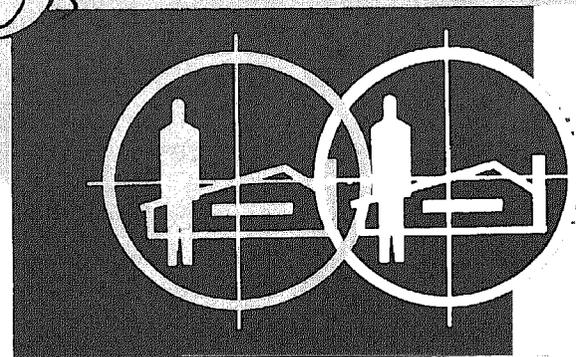
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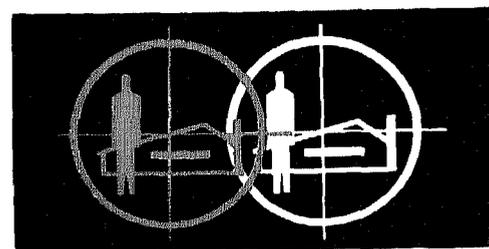
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Effects of Coders

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Preface

The study described in this report was part of the Response Variance Study, included in the 1960 Evaluation and Research Program of the 1960 Censuses of Population and Housing. The evaluation and research program was designed to serve three principal purposes: (1) To provide users of census statistics with measures of accuracy of the data; (2) to guide the Bureau of the Census in improving future censuses and surveys; and (3) to provide information on problems of measurement in social and economic surveys to research workers in other organizations.

This report describes the results of a study of the contribution of census coders to the total mean-square error of census statistics. The underlying mathematical model is discussed. Comparisons of data with similar data from other evaluation projects are made.

Many persons participated in the planning, direction, coordination, collection, and processing of the data. Acknowledgment to many of these persons has been made in other reports in this series. Particular acknowledgment is made here to the late Max A. Bershad, formerly Assistant Chief of the Statistical Research Division, for his contributions to the underlying mathematical theory. Susan P. Robinson, formerly of the Statistical Research Division, was responsible for the computer programming. Within the Research Center for Measurement Methods, Alma S. Tokes assisted with the computer programming and Geneva A. Tincher worked on the tabular arrangement of data. The analysis of the data was the responsibility of Barbara A. Bailar of the Research Center. The report was written by Benjamin J. Tepping, Chief of the Research Center, and Barbara A. Bailar.