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Reports on methodology of the
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Interim summary report:

Procedural Report on the 1960 Censuses of Population and Housing. Working Paper No. 16. (1963)

Facsimiles of schedules and questionnaires, with brief text:

United States Censuses of Population and Housing, 1960: Principal Data Collection Forms and Procedures. (1961)

United States Census of Agriculture, 1959, and Related Surveys: Principal Data-Collection Forms and Procedures. (1962)

Survey of Components of Change and Residential Finance of the United States Census of Housing, 1960: Principal Data-Collection Forms and Procedures. (1962)

Evaluation and Research Program of the U.S. Censuses of Population and Housing, 1960: Background, Procedures, and Forms. Series ER60, No. 1. (Text is repeated in Procedural Report. . . Working Paper No. 16.)

Detailed reports on special phases of the censuses.

United States Censuses of Population and Housing, 1960:

Processing the Data. (1962)

Enumeration Time and Cost Study. (1963)

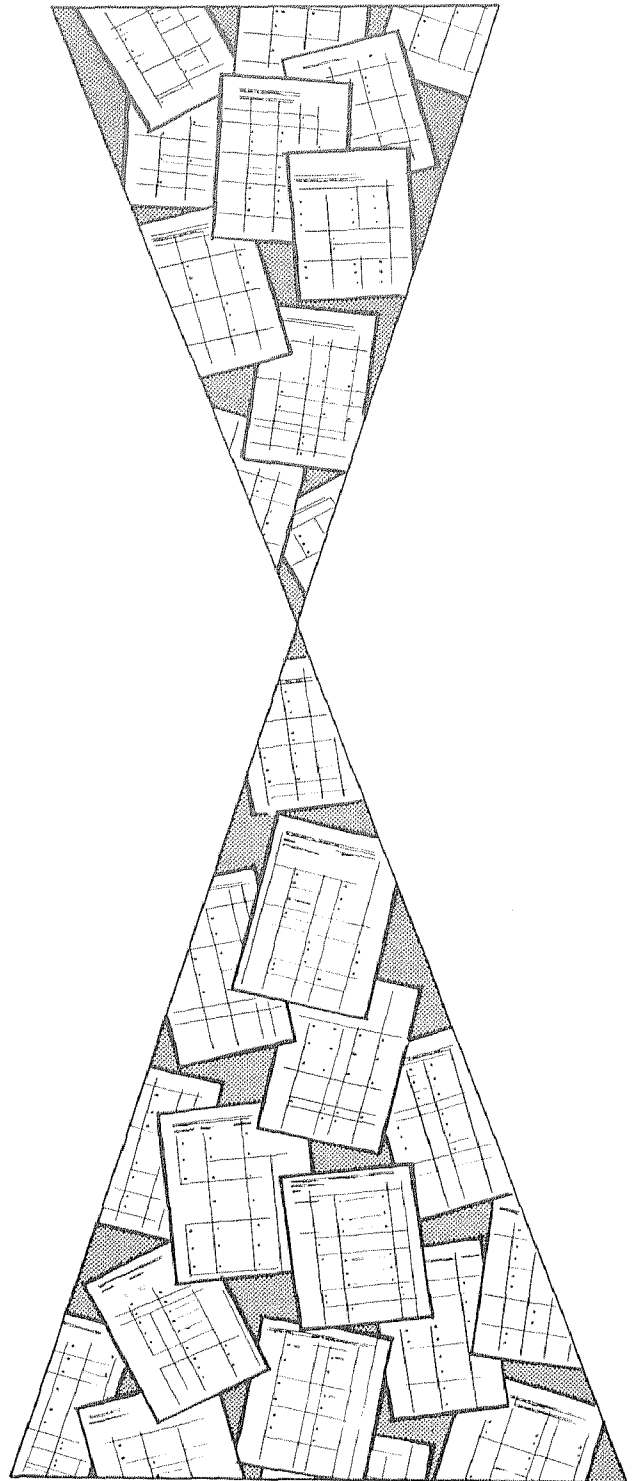
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Censuses of Population and Housing in Puerto Rico, 1960: Processing the Data. (1963)

DEPOSITORY

UNITED STATES CENSUSES OF POPULATION AND HOUSING 1960

QUALITY CONTROL OF PREPARATORY OPERATIONS, MICROFILMING, AND CODING



U.S. DEPARTMENT OF COMMERCE
John T. Connor, Secretary
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Issued September 1965

Library of Congress Card No. A65-7621.

SUGGESTED CITATION

U.S. Bureau of the Census. *United States Censuses of Population and Housing, 1960: Quality Control of Preparatory Operations, Microfilming, and Coding.* Washington, D.C., 1965.

For sale by the Superintendent of Documents, Government Printing Office
Washington, D.C., 20402 - Price 40 cents

Preface

This publication describes the application of statistical quality control techniques to the following operations of the 1960 Censuses of Population and Housing: (1) printing of specially designed enumeration schedules for use with high-speed electronic equipment known as FOSDIC (Film Optical Sensing Device for Input to Computers); (2) assembly and collation of these schedules into enumeration books; (3) assembly of kits and portfolios of enumeration material for crew leaders and enumerators; (4) camera and microfilm operations for input to FOSDIC; and (5) coding of responses on the schedules.

This is one of a series of methodological reports on the Eighteenth Decennial Census prepared under the guidance of Phyllis G. Carter, Census Historian, Statistical Reports Division. For others which have been issued to date, see list on inside front cover.

Many individuals in the Statistical Research Division, the Decennial Operations Division, the Statistical Methods Division, and the Administrative Service Division, in Census Bureau headquarters in Washington, D.C., and in the Census Operations Office in Jeffersonville, Ind., had a part in the planning and execution of the quality control program, in addition to those mentioned below.

Morris H. Hansen, Assistant Director for Research and Development, and William N. Hurwitz, Chief, Statistical Research Division, provided technical guidance and direction. Leon Gilford and William E. Cook, formerly of the Operations Research Branch, Statistical Research Division, developed the mathematical model for the three-way independent verification system and the point system of quality control. J. Jack Ingram, of the same branch, provided the idea of an independent verification system using "punch cards," technical guidance in the design and institution of quality control plans, and participation in the research program especially in the area of coding. Herman H. Fasteau, Statistical Research Division, was assigned to Statistical Methods Division as Chief, Quality Control Branch, for the period of the 1960 census data processing. He directed the quality control program, provided guidance in the design and execution of the program, and participated in the research program in the coding and microfilming areas. George Minton, Statistical Research Division, served as assistant to the Chief of the Quality Control Branch, Statistical Methods Division, during the same period. He developed and designed quality control plans, prepared procedures for their use, and assisted in the direction of the quality control staff executing them. He also planned and participated in experimental work on the microfilming and coding. Maxwell Jeane, Mathematical Statistician, Statistical Methods Division, supervised quality control personnel in the camera and microfilming operations and participated in research on the cameras and microfilming. Ruth H. Mills served as Chief of the Quality Control Section of the Statistical Methods Branch which was established at the Census Operations Office, Jeffersonville, Ind., by Statistical Methods Division. She supervised quality control personnel in operations, provided a continuous flow of information on the operations to Washington, revised and designed plans and procedures when necessary, and participated in the research program in the coding area. Decennial Operations Division conducted the quality control operations.

This report was written primarily by George Minton of the Statistical Research Division. Technical assistance and review were provided by Herman H. Fasteau and J. Jack Ingram. Editorial review was provided by Ingrid Millison, Statistical Reports Division.

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