This PDF is a selection from an out-of-print volume from the National Bureau of Economic Research

Volume Title: Factors Affecting the Demand for Consumer Instalment Sales Credit

Volume Author/Editor: Avram Kisselgoff

Volume Publisher: NBER

Volume ISBN: 0-87014-452-9

Volume URL: http://www.nber.org/books/kiss52-1

Publication Date: 1952

Chapter Title: Front matter, tables of content, preface

Chapter Author: Avram Kisselgoff

Chapter URL: http://www.nber.org/chapters/c4893

Chapter pages in book: (p. -9 - 0)

Factors Affecting the Demand for Consumer Instalment Sales Credit

AVRAM KISSELGOFF



Technical Paper 7) January 1952

NATIONAL BUREAU OF ECONOMIC RESEARCH

1819 Broadway, New York 23

306 9 M211 t

> HB 31 N3 no.7

Price: \$1.50

Copyright, 1952, by National Bureau of Economic Research, Inc. 1819 Broadway, New York 23, N. Y. All Rights Reserved Manufactured in the U.S.A. by H. Wolff

Relation of the Directors to the Work and Publications of the National Bureau of Economic Research

- 1. The object of the National Bureau of Economic Research is to ascertain and to present to the public important economic facts and their interpretation in a scientific and impartial manner. The Board of Directors is charged with the responsibility of ensuring that the work of the National Bureau is carried on in strict conformity with this object.
- 2. To this end the Board of Directors shall appoint one or more Directors of Research.
- 3. The Director or Directors of Research shall submit to the members of the Board, or to its Executive Committee, for their submit adoption, all specific proposals concerning researches to be instituted.
- 4. No report shall be published until the Director or Directors of Research shall have submitted to the Board a summary drawing attention to the character of the data and their utilization in the report, the nature and treatment of the problems involved, the main conclusions and such other information as in their opinion would serve to determine the suitability of the report for publication in accordance with the principles of the National Bureau.
- 5. A copy of any manuscript proposed for publication shall also be submitted to each member of the Board. For each manuscript to be so submitted a special committee shall be appointed by the President, or at his designation by the Executive Director, consisting of three Directors selected as nearly as may be one from each general division of the Board. The names of the special manuscript committee shall be stated to each Director when the summary and report described in paragraph (4) are sent to him. It shall be the duty of each member of the committee to read the manuscript. If each member of the special committee signifies his approval within thirty days, the manuscript may be published. If each member of the special committee has not signified his approval within thirty days of the transmittal of the report and manuscript, the Director of Research shall then notify each member of the Board, requesting approval or disapproval of publication, and thirty additional days shall be granted for this purpose. The manuscript shall then not be published unless at least a majority of the entire Board and a two-thirds majority of those members of the Board who shall have voted on the proposal within the time fixed for the receipt of votes on the publication proposed shall have approved.
- 6. No manuscript may be published, though approved by each member of the special committee, until forty-five days have elapsed from the transmittal of the summary and report. The interval is allowed for the receipt of any memorandum of dissent or reservation, together with a brief statement of his reasons, that any member may wish to express; and such memorandum of dissent or reservation shall be published with the manuscript if he so desires. Publication does not, however, imply that each member of the Board has read the manuscript, or that either members of the Board in general, or of the special committee, have passed upon its validity in every detail.
- 7. A copy of this resolution shall, unless otherwise determined by the Board, be printed in each copy of every National Bureau book.

(Resolution adopted October 25, 1926 and revised February 6, 1933 and February 24, 1941)

NATIONAL BUREAU OF ECONOMIC RESEARCH Officers

1951

Boris Shishkin, Chairman HARRY SCHERMAN, President C. C. BALDERSTON, Vice-President GEORGE B. ROBERTS, Treasurer W. J. CARSON, Executive Director MARTHA ANDERSON, Editor

Directors at Large

D. R. Belcher, American Telephone & Telegraph Co. OSWALD W. KNAUTH, Beaufort, South Carolina SIMON KUZNETS, University of Pennsylvania H. W. LAIDLER, Executive Director, League for Industrial Democracy SHEPARD MORGAN, New York City

C. REINOLD NOYES, Princeton, New Jersey GEORGE B. ROBERTS, Vice-President, National City Bank BEARDSLEY RUML, New York City

HARRY SCHERMAN, Chairman, Book-of-the-Month Club GEORGE SOULE, Bennington College N. I. STONE, Consulting Economist J. RAYMOND WALSH, New York City LEO WOLMAN, Columbia University

THEODORE O. YNTEMA, Vice President-Finance, Ford Motor Company

Directors by University Appointment

E. WIGHT BAKKE, Yale H. M. GROVES, Wisconsin C. C. BALDERSTON, Pennsylvania GOTTFRIED HABERLER, Harvard ARTHUR F. BURNS, Columbia CLARENCE HEER, North Carolina R. L. KOZELKA, Minnesota G. A. ELLIOTT, Toronto FRANK W. FETTER, Northwestern PAUL M. O'LEARY, Cornell

T. W. SCHULTZ, Chicago

Directors Appointed by Other Organizations

PERCIVAL F. BRUNDAGE, American Institute of Accountants THOMAS C. COCHRAN, Economic History Association FREDERICK C. MILLS, American Statistical Association S. H. RUTTENBERG, Congress of Industrial Organizations MURRAY SHIELDS, American Management Association BORIS SHISHKIN, American Federation of Labor DONALD H. WALLACE, American Economic Association FREDERICK V. WAUGH, American Farm Economic Association

Research Staff

ARTHUR F. BURNS, Director of Research GEOFFREY H. MOORE, Associate Director of Research

Moses Abramovitz F. F. HILL HAROLD BARGER THOR HULTGREN MORRIS A. COPELAND SIMON KUZNETS DANIEL CREAMER CLARENCE D. LONG DAVID DURAND RUTH P. MACK SOLOMON FABRICANT FREDERICK C. MILLS MILTON FRIEDMAN RAYMOND J. SAULNIER MILLARD HASTAY LAWRENCE H. SELTZER W. BRADDOCK HICKMAN GEORGE J. STIGLER

LEO WOLMAN

PREFACE

This investigation of the factors influencing the demand for instalment sales credit was initiated as an extension of the Studies in Consumer Financing that were started under the Financial Research Program in 1938. It depends heavily on this earlier body of work not only for many of the basic data on outstandings, new credits extended, repayments and credit terms, but also for a good part of that understanding of the institutional framework within which consumer instalment sales credit is extended that is essential to the identification of strategic factors in demand. The earlier National Bureau investigations in the field of consumer instalment credit have been carried forward elsewhere, notably at the Board of Governors of the Federal Reserve System, and on this extensive and careful work Dr. Kisselgoff has also drawn liberally. It is hoped that the analysis will contribute further to our rapidly improving understanding of consumer financial behavior.

R. J. SAULNIER
Director,
Financial Research Program

November 1951

It is a pleasure to acknowledge here the assistance that I have received from many quarters in the completion of this study. R. J. Saulnier, Director of the National Bureau of Economic Research's Financial Research Program, has given generous aid at various stages of the work as have other members of the Program staff, particularly W. Braddock Hickman and David Durand. I am deeply indebted to these friends and associates for their many helpful criticisms and suggestions.

To Ralph A. Young, Director of the Division of Research and Statistics, Board of Governors of the Federal Reserve System, I owe much for advice in connection with the original formulation of my problem.

My thanks are due also to Franco Modigliani, with whom I had numerous fruitful discussions on various aspects of the analysis, to Lawrence Klein, on whose experience in the field of econometric model building I have drawn heavily, to Geoffrey H. Moore, Associate Director of Research of the National Bureau, and to Mrs. Ruth P. Mack and F. C. Mills of the National Bureau's Research Staff, all of whom read the manuscript and made constructive suggestions.

Finally, my sincere thanks are due to Katherine E. Krenning who edited the manuscript, Jeanne Stiefel who carried the burden of the statistical work, Ruth Harris who prepared the charts, and Isabel C. Lundberg who prepared the copy for composition and saw it through the press.

AVRAM KISSELGOFF

CONTENTS

	Tables	viii ix
Introdu	ction	1
Part I	FACTORS AFFECTING THE DEMAND FOR INSTALMENT SALES CREDIT Consumer Income Liquid Asset Holdings of Individuals	4-20 4 7
	The Availability of Cash Loan Instalment Credit	10
	Population Growth and Family Formation	11
	Changes in Consumer Tastes and Habits	12
	Stock of Durable Consumer Goods	13
	Prices of Durable Consumer Goods	17
	Finance Charges	17
	Instalment Sales Contract Terms: Down Payment and Contract Length	18
Part II	STATISTICAL ANALYSIS OF THE DEMAND FOR INSTALMENT SALES CREDIT	21-55
	Explanation of Instalment Sales Credit Demand by the Equa-	•
	tion-System Approach	22
	Model I	22
	Model II	26
	Explanation of Instalment Sales Credit by the Single-Equation	
	Approach	29
	Total Instalment Sales Credit	29
	Automobile Instalment Sales Credit	38
	Diversified Instalment Sales Credit	42
	Total Instalment Sales Credit Versus Components	48
,	Additional Explanations of Credit Demand	49
	Explanation Using Supersubsistence Adjusted Income	49
	Explanation Using Price and Contract Length Separately	52
	Explanation of Monthly Repayment Commitment	54
Part III	SUMMARY AND INTERPRETATION OF RESULTS	56-60
Appendi	x A Time Series	61
Appendi	Basic Data Underlying Estimates of Instalment Sales Credit	64
National	Bureau Publications	66

LIST OF TABLES

1	Distribution of Spending Units and Liquid Assets by Income Classes, Early 1946	9
2	Explanation of Total Demand for Instalment Sales Credit, 1929-41	31
3	Explanation of Total Demand for Instalment Sales Credit, 1929-41 (logarithmic equations)	36
4	Explanation of Demand for Automobile Instalment Sales Credit, 1929-41	37
5	Elasticities of Demand for Automobile Instalment Sales Credit with Respect to Specified Explanatory Variables, 1929-41	38
6	Explanation of Demand for Automobile Instalment Sales Credit, 1929-41 (logarithmic equations)	40
7	Explanation of Demand for Diversified Instalment Sales Credit, 1929-41	45
8	Explanation of Demand for Diversified Instalment Sales Credit, 1929-41 (logarithmic equations)	46
9	Elasticities of Demand for Diversified Instalment Sales Credit with Respect to Specified Explanatory Variables, 1929-41	46
10	Elasticities of Demand for Instalment Sales Credit with Respect to Specified Explanatory Variables, 1929-41	52
1	Elasticities of Demand for Instalment Sales Credit with Respect to Specified Explanatory Variables, 1929-41	53
12	Actual and Estimated Instalment Sales Credit, 1948	58

LIST OF CHARTS

1	Consumer Disposable Income, Instalment Sales Credit Granted, and Instalment Cash Loan Credit Granted, 1929-41	5
2	Instalment Sales Credit Granted as a Percent of Total Durable Consumer Goods Purchased, 1929-41	13
3	Selected Data Relating to Automobile Instalment Sales Financing, 1928-41	14
4	Instalment Sales Credit Granted on New and Used Automobile Purchases, 1928-41	16
5	Average Contract Length in Automobile and Other Instalment Sales Financing, 1929-41	20
6	"Explanation" of Demand per Consumer Unit for Instalment Sales Credit in Terms of Disposable Income of the Current and Preceding Years and the Size of the Required Monthly Payment.	34
7	Relation Between Automobile Instalment Sales Credit Granted and Current Disposable Income, per Consumer Unit, in 1935-39 Dollars	41
8	Relation Between Automobile Instalment Sales Credit Granted per Consumer Unit, in 1935-39 Dollars, and Size of the Required Monthly Payment	42
9	Relation Between Automobile Instalment Sales Credit Granted per Consumer Unit, in 1935-39 Dollars, and Time	43
10	"Explanation" of Demand per Consumer Unit for Automobile Instalment Sales Credit in Terms of Disposable Income of the Current and Preceding Years and Size of the Required Monthly Payment	44
11	"Explanation" of Demand per Consumer Unit for Diversified Instalment Sales Credit in Terms of Disposable Income of the Current and Preceding Years and Size of the Required Monthly Payment	47
12	Actual Values of Total Instalment Sales Credit Granted and Values Estimated from Equations for Automobile and Other Than Automobile Instalment Sales Credit	48
13	Adjusted Series on Consumer Income, 1929-41	50

. · o .