# Contents

Preface ix  

**CHAPTER**

I. Introduction 3  

II. The Implications of the Pure Theory of Consumer Behavior 7  
   1. Complete Certainty 7  
   2. The Effect of Uncertainty 14  
      a. The Indifference Curve Diagram 14  
      b. Motives for Holding Wealth 16  
   3. The Relation between the Individual and the Aggregate Consumption Function 18  

III. The Permanent Income Hypothesis 20  
   1. The Interpretation of Data on the Income and Consumption of Consumer Units 21  
   2. A Formal Statement of the Permanent Income Hypothesis 25  
   3. The Relation between Measured Consumption and Measured Income 31  

IV. Consistency of the Permanent Income Hypothesis with Existing Evidence on the Relation between Consumption and Income: Budget Studies 38  
   1. Temporal Changes in Inequality of Income 39  
   2. Consumption-Income Regressions for Different Dates and Groups 40  
      a. Temporal Differences 44  
      b. Differences among Countries 54  
      c. Consumption of Farm and Nonfarm Families 58  
      d. Occupational Characteristics of Families 69  
      e. Negro and White Families 79  
      f. A Digression on the Use of Partial Correlation in Consumption Research 85  
   3. Savings and Age 90
CONTENTS

4. The Effect of Change in Income 97
   a. The FSA Data 101
   b. The Survey of Consumer Finances Data 104
   c. The Significance of the Comparisons 108

Appendix to Section 4: The Effect of Change in Income on the Regression of Consumption on Income 109
1. Permanent Income Change of Same Absolute Amount 109
2. Permanent Income Change of Same Percentage 113

V. Consistency of the Permanent Income Hypothesis with Existing Evidence on the Relation between Consumption and Income: Time Series Data 115
   1. Recent Long-period Estimates of Aggregate Savings for the United States 116
      a. Their General Pattern 116
      b. The Constancy of \( k^* \) 119
   2. Regressions of Consumption on Current Income 125
      a. Effect of Period Covered 125
      b. Effect of Form of Data 129
      c. The Relation between Time Series and Budget Elasticities 134
   3. Regressions of Consumption on Current and Past Income 137
      a. Functions by Modigliani, Duesenberry, and Mack 137
      b. Alternative Functions Fitted to Data for a Long Period 142

Appendix to Section 3: Effect on Multiple Correlation of Common Errors in Measured Consumption and Current Income 152

VI. The Relation Between the Permanent Income and Relative Income Hypotheses 157
   1. Relative Income Status Measured by Ratio of Measured Income to Average Income 160
   2. Relative Income Status Measured by Percentile Position in the Income Distribution 163
   3. The Basis for the Relative Income Hypothesis 167
   4. The Relative versus the Absolute Income Hypothesis 169
      a. Continuous Budget Data 170
      b. Geographical Budget Comparisons 173
      c. Summary Evaluation of Evidence 181
## CONTENTS

### VII. Evidence from Income Data on the Relative Importance of Permanent and Transitory Components of Income

1. A Method of Estimating $P_y$  
2. Empirical Evidence on $P_y$  
3. Comparison of Estimates of $P_y$ with Estimated Income Elasticity of Consumption  
4. Correlation of the Ratio of Savings to Income in Consecutive Years

*Appendix*: Correlation between Savings Ratios in Two Consecutive Years

### VIII. A Miscellany

1. Regression of Income on Consumption  
2. Application of Permanent Income Hypothesis to Individual Categories of Consumption  
3. Relevance to the Analysis of the Distribution of Income  
4. Connection between the Permanent Income Hypothesis and the Distribution of Wealth  
5. Additional Tests of the Permanent Income Hypothesis

### IX. Summary and Conclusion

1. Summary Statement of Hypothesis  
2. Evidence on the Acceptability of the Permanent Income Hypothesis  
3. Generalizations about Consumer Behavior Based on the Hypothesis  
4. Implications of the Hypothesis for Research  
5. Substantive Implications of the Hypothesis  
   a. Economic Development  
   b. Economic Fluctuations

Index