

CONTENTS

**1 Introduction** \_\_\_\_\_

The Learning Process  
The Meaning and Measurement of “Class Size”  
The Policy Context

**3 Quasi-Experimental Studies Using U.S. Data** \_\_\_\_\_

What Can We Learn from National Time-Series Data?  
A Simple Conceptual Model  
Equality of Educational Opportunity: The Coleman Report and the Birth of Educational Production Functions  
Non-Experimental Evidence on the Effects of Class Size on Test Scores and Drop Rates in the United States  
Non-Experimental Evidence on the Effects of Class Size on the Subsequent Labor Market Earnings of Students in the United States

**15 Experimental and Quasi-Experimental Studies** \_\_\_\_\_

The Advantage of Experiments  
Tennessee’s Project STAR Experiment Design  
Results from the STAR Experiment  
External Validity and the Hawthorne Effect  
Randomization, Attrition, Crossover  
Other Experiments and Quasi-Experiments  
Wisconsin’s SAGE Program  
California’s CSRP (Class Size Reduction Program)

**20 Why Does Class Size Matter? Inferences from Existing Research** \_\_\_\_\_

Early Studies of Class Size and Instruction  
Observational Studies of Teachers in Larger and Smaller Classes  
Findings from Experimental Research  
Evidence from Survey Analyses  
Accounting for the Benefits of Small Classes in the Early Elementary Grades  
Why Does Instruction Not Vary with Class Size?

**25 Implications of the Class-Size Findings** \_\_\_\_\_

**26 Acknowledgments** \_\_\_\_\_

**26 References** \_\_\_\_\_

**29 Appendix: A Dynamic, Multilevel Model for Estimating Class Size Effects** \_\_\_\_\_

A simple two-level multilevel model  
Three examples  
Stronger model for true and quasi-experiments: Growth and stability models