

# QUANTITATIVE APPROACHES AND TYPES OF QUANTITATIVE DATA COLLECTION

## Quantitative Approaches

Experimental and control group design	Statistics
Pre-test and post-test design	Market research
Laboratory experiments	Formal methods (e.g., econometrics)
Numerical methods (e.g., mathematical modeling)	

## Types of Quantitative Data Collection

Interviews	Demographics
Observations	Student achievement scores
Document analysis	Polls (e.g., using clickers)
Meeting minutes	Social media (e.g., twitter, blog)
Closed-ended survey/questionnaire	