

Experimental Economics

(Undergraduate or graduate level)

Textbook:

Daniel Friedman and Shyam Shunder: Experimental Methods: A Primer for Economists, Cambridge University Press, 1994

George Box, J. Stuart Hunter and William Hunter: Statistics for Experimenters, Wiley-Interscience, 2005

Tentative Class Schedule:

1. Introduction: why do we need to experiment (Chapter 1 & 2)

2. Design

2.1 Control Vs Treated

2.2 Randomization

2.3 Within subject Vs Between subject design

2.4 How to choose human subjects

2.5 How many human subjects do I need?

2.6 Writing instruction

2.7 Paper and pencil experiment Vs computerized experiment

2.8 Human Subject Review Board and Research Ethics

3. Experiment implementation

4. Data Analysis

4.1 Summary statistics and graph

4.2 Non-parametric comparison

4.3 Other Statistic methods