Office Hour Galiani: T 9:00 – 10:00 am.

TA: Yue Chao. All questions about problem sets should be directed to the TA. Other questions about the materials can be directed to both the TA and the professor.

**Summary:** This course introduce students to statistical analysis and prepare students to conduct causal analysis in social sciences.

**Course requirements:** The course requirements are satisfactory completion of all problem sets, mid-term and final exams. There are 6 semiweekly problem sets planned, but this may be adjusted over the course of the semester.

**Grading:** Problem sets; midterm and final exams will each receive equal weight in the final course grade (1/3 to each one).

**Textbook:**

**Texts:**


**Reading List:**

1. **Motivation**

2. **Probability**


3. **Random Variables, Probability Distributions and Moments**


4. **Descriptive Statistics**


5. **Large Sample Theory**


6. **Statistical Inference: Estimation**


7. **Tests of Hypotheses**


8. **Linear Regression**

9. **Introduction to Applied Econometrics**


10. **Epilogue**