ECON 2140  Statistics I

Instructor
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Office Location
Zoom

Office Hours
12 pm – 1.30 pm
Tuesdays
And by appointment

Course Overview
Welcome to Statistics I. This course will help you to gain a deeper understanding of how to describe the real-world using numbers. The course covers methods and techniques to categorize, visualize, analyze, and draw insight from data using the discipline of statistical analysis. The only expectation of each student is to strive for excellence!

Recommended texts


Grading

• Attendance (10%),
• Homework (50%),
• Mid-term (20%)
• Final (20%)

Learning Objectives

• help you develop and flex your statistical intuition
• express articulately your own ideas with sound statistical reasoning
• critically evaluate current public policy debates
• use your toolkit to help in the alleviation of poverty, the promotion of justice, the protection of human rights, the dignity and uniqueness of each person and respect for the environment.
## Course Outline

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<th>Week</th>
<th>Description</th>
<th>Topic</th>
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<tr>
<td>1</td>
<td>Describing Data</td>
<td>1: A Preview of Business Statistics</td>
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<td>1</td>
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<td>2: Visual Description of Data</td>
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<td>2</td>
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<td>3: Statistical Description of Data</td>
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<td>2</td>
<td>Serendipity : The element of chance</td>
<td>4: Probability: Review of Basic Concepts</td>
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<td>3</td>
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<td>5: Discrete Probability Distributions</td>
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<td>6: Continuous Probability Distributions</td>
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<td>4</td>
<td>Estimating serendipity</td>
<td>7: Sampling Distributions</td>
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<td>4</td>
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<td>8: Estimation from Sample Data</td>
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<td>5</td>
<td>Testing serendipitous theories of your own</td>
<td>9: Hypothesis Tests Involving a Sample Mean or Proportion</td>
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### Academic dishonesty

Because academic integrity is an essential ingredient of any university, violations of it will be taken **extremely** seriously and treated appropriately. For official university policies regarding the code of academic conduct, unauthorized collaboration and plagiarism please see the Fordham University Student Handbook 2019-20.

### Absences and Make-up policy

If absent from class for a **genuine reason**, please submit a note from either the Health Center or the Dean to obtain the attendance credit. There are **no** make-up exams and **no** extra credit. If you must miss an exam for any reason a note from the Dean will be required for any make-up exam.

### Decorum

Respectful discourse is a key element of this course and is expected of every student. Cellular phones, should be switched off during class. Eating is permissible if it does not constitute a distraction to your fellow students and the instructor.

### Special accommodations

Under the Americans with Disabilities Act and Section 504 of the Vocational Rehabilitation Act of 1973, all students, with or without disabilities, are entitled to equal access to the programs and activities of Fordham University. If you believe that you have a disabling condition that may interfere with your ability to participate in the activities, coursework, or assessment of the objectives of this course, you may be entitled to accommodations.
Health and Wellbeing

University Health Services : www.fordham.edu/health
Free and confidential support at Counseling & Psychological Services (CPS) : www.fordham.edu/counseling