

*Department of Information Systems and Statistics
Baruch College Zicklin School of Business
The City University of New York*

SYLLABUS
STA 2000 Fall 2019

Class Sections: ERA Thursdays 2:30 – 3:45 pm

This is a hybrid class. We will meet in our classroom once a week only. The rest of our class time is replaced by online work.

Professor Linda W. Friedman

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Office: Room 11-228

Office Hours: TBA (See Blackboard)

Recommended:

- *Textbook:* Pearson custom edition for STA 2000 (Baruch College) of *Business Statistics: A First Course, 7/E* (2013) by David M. Levine, Kathryn A. Szabat, David F. Stephan, with access code to MyStatLab. For this class purchase directly at a special Baruch price at <http://www.mypearsonstore.com/stores/1323007679> with username sta2000c and password baruch.
- *Software:* MS Excel 2013 (or 2010 or any current version)
- *Homework Manager:* MyStatLab (Pearson). Instructions on Blackboard.
- *Recommended Workbook:* *Schaum's Outline of Business Statistics, 4th Edition*, by L. Kazmier (McGraw-Hill, 2009).

Required Course materials are at: <http://stats.proffriedman.net/>

For a class-by-class course outline, see <http://stats.proffriedman.net/home/syllabi/fall2018>

| <u>TOPICS</u> | <u>Ch (Levine)</u> |
|---|--------------------|
| Introduction to Business Statistics | 1 |
| Descriptive Statistics – One Variable | 2, 3 |
| Basic Probability | 4 |
| Probability Distributions | 5, 6 |
| The Normal Distribution | 6 |
| Sampling Distributions & the Central Limit Theorem | 7 |
| Statistical Inference: Inferences about μ and P | 8, 9 |
| Confidence Intervals and Hypothesis Testing | 8, 9 |
| The Student's t Distribution | 8, 9 |
| Statistical Inference: Two-sample tests | 10 |
| Introduction to Correlation | 2 |
| Simple Linear Regression | 12 |

GRADING (*These percentages are approximate and subject to change*):

- Blackboard Homework [HW] Assignments – 10%
- Blackboard Discussions [DB] – 10%
- Exam 1 – 15%
- Exam 2 – 15%
- Quiz – 10%
- Final exam (comprehensive) – 40%
- Extra Credit: MyStatlab HW problems sets

ACADEMIC HONESTY: The Department of Statistics & Computer Information Systems fully supports Baruch College's policy on Academic Honesty, which states, in part: "Academic dishonesty is unacceptable and will not be tolerated. Cheating, forgery, plagiarism and collusion in dishonest acts undermine the college's educational mission and the students' personal and intellectual growth. Baruch students are expected to bear individual responsibility for their work and to uphold the ideal of academic integrity. Any student who attempts to compromise or devalue the academic process will be sanctioned." Additional information can be found at http://www.baruch.cuny.edu/academic/academic_honesty.html