

**01:960:390:MA Introductory Computing for Statistics**  
**Spring 2020: Wednesday (Jan 22 - Feb 19), 6:40-9:30pm, ARC 118/119, Busch**

**Instructor:** Xiao Li (lx49@scarletmail.rutgers.edu)

**Prerequisites:** (01:960:212) OR (01:960:384) OR (01:960:401) OR (01:960:484) OR (01:220:322)

**Course description:** Introduction to the use of statistics computer packages with main focus on SAS. Includes: generating random samples, estimation, testing hypotheses. ANOVA.

**Office hours:** Monday 5:00-6:30pm, ARC 118/119, Busch. Do not come to office hours if you have not attempted the work first.

**Textbooks:**

1. Elliott, R.J. (1999). *Learning SAS in the Computer Lab*, 3rd Edition, Duxbury Press.
2. Delwiche, Lora D. and Slaughter, Susan J. (2000). *The Little SAS Book: a Primer*, SAS Publishing.

**Homework:** 4 homeworks and 1 final project will be assigned. Each homework is due in exactly one week and the tentative due date for the final project is 6:30pm, Feb 29. Late homework will NOT be accepted. ZERO credit will be given work that is obviously copied.

**Final grade:** A Pass/Fail grade will be given based on homework assignments and final project. Homework, 60%; Final project, 40%.

**Topics:**

1. SAS programming basic
2. Data management
3. Descriptive statistics
4. X-Y plot, t-test, ANOVA
5. Correlations, regression