San Jose State University
Dr. Tom Means
Department of Economics
Spring 2018

Economics 203B
Seminar in Econometric Methods

Office: 142 DMH
Phone: 924-5414(office) 924-5400(dept.)
Email: tom.means@sjsu.edu
Faculty Webpage: http://www.sjsu.edu/people/tom.means/
Office Hours: MW 12:00 – 1:15 pm, W 6-6:30 pm, and by appointment


Primer on Bayesian Statistics, T. S. Means, 2011 (http://www.sjsu.edu/people/tom.means/courses/econ3/)

Course Info: This is a graduate course in Econometrics. The prerequisite is Economics 103 or its equivalent. Attendance in class is highly recommended since lecture material will go into more depth than the text and the course will require a significant amount of lab work.

Exams, Lab and Homework: Grading will be based on (approximately) 10 computer project reports. Incomplete grades will only be considered if you have a grade of B or better.

Course
Outline:

Week 1
1/24(W) Introduction – Ch. 1, Probability Primer, Appendix A, B, C (Hill); Ch. 1, 2, 3 (Stock)

Week 2
1/31(W) Simple Linear Regression – Ch. 2 (Hill), Ch. 4, 17 (Stock)

Week 3
2/07(W) Interval Estimation and Hypothesis Testing – Ch. 3-4 (Hill), Ch. 5 (Stock)

Week 4
2/14(W) Prediction, Goodness-of-Fit and Modeling Issues – Chapter 4 (Hill)

Week 5
2/21(W) The Multiple Regression Model – Ch. 5 (Hill), Ch. 6, 18 (Stock)

Week 6
2/28(W) Further Inference in the Multiple Regression Model – Ch. 6 (Hill), Ch. 7-9 (Stock)

Week 7
3/07(W) Functional Form - Ch. 5.6-7, (Hill), Ch. 8 (Stock)

Week 8
3/14(W) Indicator Variables – Ch. 7 (Hill), Ch. 5.3, 13 (Stock)

Week 9
3/21(W) Heteroskedasticity – Ch. 8 (Hill) Ch. 5.4 (Stock)

3/26 – 3/30 SPRING BREAK – no classes

Week 10
4/04(W) Panel Data Models – Ch. 15 (Hill), Ch. 10 (Stock)

Week 11
4/11(W) Indicator Dependent Variable Models – Ch. 16 (Hill), Ch. 11 (Stock)

Week 12
4/18(W) IV Estimation – Ch. 10 (Hill), Ch. 12 (Stock)

Week 13
4/25(W) Time-Series Topics – Ch. 9, 12-14 (Hill), Ch. 14-16 (Stock)

Week 14
5/02(W) Simultaneous Equations Models – Ch. 11(Hill)

Week 15
5/09(W) Spatial Econometrics - Handouts

5/16(W) Final Exam 6:30 – 9:00 PM