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Economics 4848-003  
Applied Econometrics, Spring 2016  
Syllabus and Schedule  
Office Hours: T/Th 11:00 AM-12:00 PM  
Economics 208D  
Other times by appointment (just send an e-mail)

This course will teach you to be comfortable with the essential aspects of performing economic analysis on real-world data. In doing so, we will spend a substantial amount of time using STATA, a statistical computer software package designed especially for empirical economic analysis. While you will spend some using pre-prepared datasets, you will also learn to create custom datasets from the US Census Bureau and Bureau of Labor Statistics for original analysis. Students who successfully complete

to complete all the requirements of this course. Otherwise, you may access STATA on lab computers where it is installed, including the lab in the basement of the economics building. I have provided a link on the course website showing the labs with the software installed. Note that the Economics building is closed on weekends, but it remains open until 10 PM on weekdays.

You should bring a USB memory stick to copy programs and data from our work in class. It is unlikely that you will need more than 4 GB of storage; so you should be able to find one that is relatively inexpensive (~ \$10) if you do not currently have one.

Your grade will depend on your performance on a number of assignments, according to the chart below:

Assignment

a previous submission will result in a failing grade on the final project and likely a failing grade in the course.

As we progress through the material, be thinking of the type of pro

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University policy allows instructors to drop students who do

Topic	Tentative Dates
Introduction and Research Design	1/12, 1/14 (Read Mortgage Paper)
STATA Tutorial	1/19, 1/21, 1/26, 1/28
Descriptive Analysis	2/2, 2/4, 2/9
Review of Hypothesis Testing	2/11, 2/16
Bivariate Regression	2/18, 2/23, 2/25
Multiple Regression Basics	3/1
Midterm Exam	3/3 (tentative date)
Omitted Variable Bias	3/8, 3/10
Categorical Variables in Regression	3/15
Interaction Models	3/17, 3/29
IPUMS Tutorial	3/31
NO CLASS – cancelled for meetings	4/5, 4/7
Individual Project Meetings	Week of 4/4-4/8

Every semester, I have some students who come to office hours a few weeks into the semester who are worried that they are not doing well and wondering what they can do differently. I have noticed some differences in the habits of the strongest students compared to those of the students who find themselves in this situation. As a service to you, I am giving everyone access to the advice I expect to

If you qualify for accommodations because of a disability, please submit to Prof. Cadena a letter from Disability Services in a timely manner (for exam accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by e-mail at [dsinfo@colorado.edu](mailto:dsinfo@colorado.edu).

If you have a temporary medical condition or injury, see [Temporary Injuries guidelines](#) under the Quick Links at the [Disability Services website](#) and discuss your needs with Prof. Cadena.

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this course, please inform me no later than two weeks prior to any conflict you foresee, sooner if possible, so that we may find an alternative arrangement for you to complete the requirements of the course. See [campus policy regarding religious observances](#) for full details.

Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, color, culture, religion, creed, politics, veteran's status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. For more information, see the [policies on classroom behavior](#) and [the student code](#).

The University of Colorado Boulder (CU-Boulder) is committed to maintaining a positive learning, working, and living environment. CU-Boulder will not tolerate acts of discrimination or harassment based upon Protected Classes or related retaliation against or by any employee or student. For purposes of this CU-Boulder policy, "Protected Classes" refers to race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. Individuals who believe they have been discriminated against should contact the Office of Institutional Equity and Compliance (OIEC) at 303-492-2127 or the Office of Student Conduct and Conflict Resolution (OSC) at 303-492-5550. Information about the OIEC, the above

All students of the University of Colorado at Boulder are responsible for knowing and adhering to [the academic integrity policy](#) of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council ([honor@colorado.edu](mailto:honor@colorado.edu); 303-735-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Additional information regarding the [Honor Code policy can be found online](#) and at the [Honor Code Office](#).