University of Colorado at Boulder
Department of Economics
Econ 4848-004 - Applied Econometrics
Visiting professor Kai Mynbaev

Office. Economics Building 206c.
Meetings. MWF 10:00 AM - 10:50 AM, HUMN 1B45.
Office hours. F 11:00 AM - 1:00 PM. For appointments email kai.trip@yahoo.com
Prerequisites. Successful completion of ECON 3818 and ECON 3070 (recommended).

Course description. This course is designed to equip you with basic undergraduate statistical/econometric knowledge and computational tools necessary to conduct empirical research. To that end we will:
1. study the classical linear regression model and extend it in ways necessary for your projects.
2. explore various sources of economic data
3. introduce you to the basic features of Stata (a data management and statistical software).
In the second half of the semester you will be able to carry out an empirical project that addresses a relevant social or economic issue using regression analysis and real data.

Course objectives. This course is considered a support course for the corresponding theory course. That is, we try to illustrate the theory with applications. We can discuss any topics from the theory of econometrics, mathematical statistics or economics that are relevant to your projects. Deep understanding is given preference over wide coverage.

Course methodology. I want to experiment with a team-based method, see Michaelsen, L. K., Knight, A. B. and Fink, L. D. (*Team-based Learning: A Transformative Use of Small Groups.* Greenwood Publishing Group, 2002) or http://www.teambasedlearning.org/. You will work in teams of up to 6 students. Team discussions will be a primary way of study. Any topic will have to be approved by teams for inclusion in quizzes and exams. A part of the grade (quizzes, 30%) will be for team work. The remaining part (midterm, project, and final, 70% in total) will be given for individual work.

Attendance. All material discussed in the class and approved by teams will be included in quizzes and exams. Usually this means that the coverage of quizzes and exams is very different from any given textbook. Some or all models used for empirical projects will be included in the final exam. Therefore regular attendance is absolutely important.

Grades. The table below lists all evaluations, provides dates, and points.

Evaluation	Points	Date and time

7. Regression with binary variables: chapter 7, sections 7.1, 7.2, 7.3 and 7.4.
8.