Panel Data and Spatial Econometrics
Syracuse University

ECN 720
Fall 2014
9:30-10:50 (T, Th)
Eggers 112

Professor Badi H. Baltagi

426 Eggers Hall
Office Hours:
11:30-12:30 (T, Th)
or by appointment
bbaltagi@maxwell.syr.edu

Required Text:

Recommended Texts:

Additional Readings:

Pre-requisites:
Ecn 621. A solid course in statistics and at least one basic course in econometrics.

Requirements:
Replication (50%), Final (50%).

Course Outline:

I. Panel Data

1. Benefits and Limitations

2. The One-Way Error Component Model
   Baltagi, Chapter 2

3. The Two-Way Error Component Model
   Baltagi, Chapter 3

4. Test of Hypotheses with Panel Data
   Baltagi, Chapter 4

This will be supplemented by empirical applications and STATA and EViews.
Applications:


5. Heteroskedasticity and Serial Correlation

Baltagi, Chapter 5

6. Seemingly Unrelated Regression

Baltagi, Chapter 6

7. Simultaneous Equation Models

Baltagi, Chapter 7

Applications:


8. Dynamic Panel Data Models

Baltagi, Chapter 8

Applications:


Additional Readings:


9. Unbalanced Panel Data
Baltagi, Chapter 9

Additional Readings:

10. Measurement Error
Baltagi, Section 10.1

11. Rotating Panels
Baltagi, Section 10.2

12. Pseudo-Panels
Baltagi, Section 10.3

13. Heterogeneous Panels
Baltagi, Section 10.7

14. Limited Dependent Variables
Baltagi, Chapter 11

Additional Readings:

15. Nonstationary Panels
Baltagi, Chapter 12

Application:

Additional Readings:
Harris, R.D.F. and E. Tzavalis, 1999, Inference for unit roots in dynamic panels where the time dimension is fixed, *Journal of Econometrics* 91, 201-226.


II. Spatial Econometrics:

Readings:


Additional Class notes:

"At Syracuse University, academic integrity is expected of every community member in all endeavors. Academic integrity includes a commitment to the values of honesty, trustworthiness, fairness, and respect. These values are essential to the overall success of an academic society. In addition, each member of the university community has a right to expect the highest standards of academic integrity from all other community members. An individual’s academic dishonesty threatens and undermines the central mission of the University. It is unfair to other community members who do not cheat, because it devalues efforts to learn, to teach, and to conduct research. Academic dishonesty interferes with moral and intellectual
development, and poisons the atmosphere of open and trusting intellectual discourse. Syracuse University’s academic integrity policy and procedures are administered by the Academic Integrity Office in the Division of Academic Affairs, and all schools and colleges." (SU Academic Integrity Office)

For information the University Academic Honesty Policy, Expectations and Procedures, see http://www-hl.syr.edu/cas-pages/PromAcademicHonesty.htm

“Students who may need academic accommodations due to a disability are encouraged to discuss their needs with the instructor at the beginning of the semester. In order to obtain authorized accommodations, students should be registered with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498 and have an updated accommodation letter for the instructor. Accommodations and related support services such as exam administration are not provided retroactively and must be requested in advance."

For more information about services and policy: http://disabilityservices.syr.edu