Spatial Economics
Econ 33550
Mondays and Wednesdays, 8:00am to 9:20am
Saieh Hall for Economics 203
University of Chicago
Winter 2024
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Syllabus

Overview: This is a graduate second-year Ph.D. course in the Trade and Growth sequence. The course will discuss recent advances in spatial modeling and quantification that allow us to study trade, migration, as well as urban, regional, national, and global growth in a unified spatial general equilibrium framework. These frameworks can be quantified using a variety of data to perform detailed policy counterfactual exercises. These exercises can help us understand the impact of trade and migration policy as well as local and national fiscal policy, transportation policy, and the effect of regional shocks including the ones associated with climate change.

Grading: Your grade for this course will be based on two problem sets and class participation (including a paper presentation if enrollment permits). Please do the required reading ahead of time and come to class prepared to discuss the related topics.

Outline and Readings

• Quantitative Spatial Economics
  o Required Readings:
  o Optional Readings:
• **Two Quantitative Models for Regions**
  o Required Readings:
  o Optional Readings:

• **Commuting in Urban and Regional Models**
  o Required Readings:
  o Optional Readings:

• **Transportation Networks**
  o Required Readings:
  o Optional Readings:

• **Optimal Spatial Policy**
  o Required Readings:
  o Optional Readings:


• Labor Markets Frictions and Dynamic Adjustments
  o Required Readings:
  o Optional Readings:

• Spatial Growth
  o Required Readings:
  o Optional Readings:

• Urban Growth and the Size Distribution of Cities
  o Required Readings:
  o Optional Readings:

• Sorting, Migration, and Location Decisions
  o Required Readings:
  o Optional Readings:

• Firm and Plant Location Across Space
  o Required Readings:
  o Optional Readings:
• **Climate Change and Spatial Economics**
  
  o **Required Readings:**
  
  o **Optional Readings:**