

Zachary Martin

Email: zmartin@iastate.edu
Website: <https://zackmartinecon.com>
Phone: (978) 501-5652

Iowa State University of Science and Technology
Department of Economics
580 Farm House Lane
260 Heady Hall
Ames, IA 50011

Education

Ph.D. in Economics

Iowa State University

2021 (Expected)

B.A. in Economics and Mathematics with a Concentration in Statistics

University of Massachusetts Amherst

2011

Awards

Iowa State Graduate Student Teaching Excellence Award

Research and Teaching Fields

Regional Economics, Transportation Economics, Spatial Economics, Applied Econometrics

Job Market Paper

Martin, Zachary "Regional Spatial Use with Autonomous Vehicles" (2020)

Description:

The introduction of autonomous vehicles will reshape regional land use and populations. A bottleneck traffic model and monocentric city model combine to show how regions will evolve in the presence of both autonomous and standard vehicles. Autonomous vehicles will cost more, but the time spent commuting will be more pleasant and the vehicles will flow more easily through the bottleneck. Among the many results of the model, as the autonomous vehicle advantage in flow rate increases, the number of drivers will increase though they will live in a smaller area and the number of autonomous car users will increase and the size of the commuting region will expand.

Research in Progress

“Work and Home Location Choice in Iowa” with Peter Orazem

Description:

We combine Iowa Workforce Development data on joint choice of residential and work locations with local cost of living as measured by housing price. We generate estimates of wages based on individual and work zip code characteristics. The estimates will then be used in a nested logit model to examine the trade offs between commuting and wages.

“Impact of the ‘Lucky Store’ Phenomenon” with Lucy Dougherty

Description:

Examining the change in sales for stores that recently sold a winning ticket for the Iowa Lottery. The paper finds same store and nearby store lottery sales to increase following the sale of a winning ticket relative to controls across the state.

Teaching Experience

Instructor at Iowa State University

Introduction to Microeconomics

Fall 2019-Spring 2020

Advisor at Iowa State University

Community Bank Case Study Competition

Spring 2019

Description:

Aided undergraduate students partnered with a local bank in preparing a paper and video on the impact of the Economic Growth, Regulatory Relief and Consumer Protection Act of May 2018 for a competition.

Iowa State Economics Undergraduate Research Seminar

Spring 2019

Description:

Helped students formulate research questions and plans. Research by the undergraduates led to papers for honors dissertations and presentations at economic conferences.

Teaching Assistant at Iowa State University

Introduction to Microeconomics, Introduction to Macroeconomics, Intermediate Microeconomics, Economics of Discrimination, Ph.D. Econometrics I

Additional Information

Citizenship: United States of America, European Union (Italy)

References

Professor Brent Kreider
(515) 294-6237
bkreider@iastate.edu
460C Heady Hall
Ames, IA 50011-1054

Professor Peter Orazem
(515) 294-8656
pfo@iastate.edu
267 Heady Hall
Ames, IA 50011-1054

Assistant Professor Gary Lyn
(515) 294-6271
glyn@iastate.edu
477 Heady Hall
Ames, IA 50011-1054