Jesse Melvin 19 White Clay Drive • Newark, DE 19711 (302)222-5280 • jmelvin@udel.edu

Education

University of Delaware		
PhD, Economics	2018 (expected)	
Dissertation:	"Border Security as a Labor Screening Device: A New Model of	
Immigration Economics."		
Major Advisor: Professor Michael Arnold		
MA, Economics	2013	
BA, Economics and H	istory 2011	

Fields of Interest

Teaching: Microeconomics, Environmental Economics, Labor Economics, Industrial Organization *Research*: Labor Economics, Energy Economics, Applied Econometrics

Research

"Border Security as a Labor Screening Device: A New Model of Immigration Economics." Abstract: This paper presents a new model of immigration that describes the migration-decision process on an individual level. The model examines the positive relationship between a nation's immigration control policy and the productivity of the migrants entering that nation. The logic is straightforward: the personal cost of migrating into a nation rises as that nation's border security becomes stricter and more strongly enforced, which deters individuals who are less motivated and/or capable to migrate. Using data from the Current Population Survey (CPS), I present empirical evidence by using the implementation of the Homeland Security Act of 2002 as a natural experiment. Regression results reveal that migrants who entered the nation after 2002 have a wage rate that is approximately 3.0 – 4.5% higher relative to their counterparts, and work 0.6 – 1.0 additional hours per week, ceteris paribus.

"The Split Incentives Energy Efficiency Problem: Evidence of Underinvestment by Landlords."

- Accepted by Energy Policy

Abstract: Due to asymmetric information between landlords and renters, landlords with tenants who pay the utility bill underinvest in energy efficiency measures. Using data from the 2009 Residential Energy Consumption Survey, I present empirical evidence that this underinvestment occurs in multiple categories of residential energy efficiency: space-heating, water-heating, window thickness, insulation, and weatherization. Because these landlords did not invest at the same rate as homeowners and landlords who pay the energy bill, their tenants' energy bill was higher by nearly 2%. When combined with other researchers' estimations for appliances (Davis 2010), insulation, and thermostat responsiveness for tenants (Gillingham, Rapson, Harding 2012), the landlord-tenant split incentive caused renters to use approximately 2.7% more energy overall.

Experience

University of Delaware

Graduate Instructor – Introduction to Microeconomics

- Served as sole instructor for two sections of 38 students per semester, as well as additional summer and winter courses
- Developed an original and highly regarded classroom management style based on own teaching philosophy of 'triple exposure' (i.e. in-person theory, in-person problem solving, at-home problem solving)

Travel Coordinator – Exchange Program

April 2015 & 2017

Spring & Summer 2013

Fall 2014 – Spring 2017

• Developed itinerary, made travel arrangements, and acted as student liaison for group of students visiting University of Delaware from the University of Paris-Sorbonne

Teacher's Assistant – Intermediate Microeconomic Theory	Fall 2013
Contemporary Macroeconomics	Spring 2012
Intermediate Macroeconomics	Fall 2011

- Assisted in the creation and grading of problem sets and exams
- Provided office hours and personal tutoring for struggling students

Research Assistant – UD Economic Impact Study / Title VIII Project Spring 2012 & 2013

- Collected and compiled data for the Center for Applied Business and Economic Research to determine the impact of the University of Delaware on the local economy.
- Communicated with authors receiving a Title VIII Grant to ensure that they submitted the correct documents before the deadline, as well as reviewing and editing documents

Melvin's Pay-N-Learn Tutoring Services

Business Owner and Tutor, Newark, DE

- Established tutoring business through directed brochure marketing campaign
- Facilitated the academic success of all 16 clients, incl. former Attorney General of Delaware

PEPCO Holdings Inc.

Internship – Economics and Forecasting Department, Newark, DE Summer – Fall 2012

• Produced sales and revenue forecasts, supported regulatory affairs and treasury activities, and conducted special studies on energy use in the Mid-Atlantic region

Awards/Workshops

University of Delaware Faculty Senate – Graduate Student Excellence in Teaching Award – 2017

• Awarded to 4 out of approximately 550 instructional graduate assistants each year

University of Delaware / Centro de Investigación y Docencia Económicas - *Statistical Teaching and Analytics Research Training*, Mexico City – 2017

University of Delaware Department of Economics - MA Scholar Award - 2013

Statistical Software Skills

STATA, Eviews, SPSS, Data Analysis Package (Excel), SAS

References

Michael Arnold Associate Professor Department of Economics University of Delaware <u>marnold@udel.edu</u> (302) 831-1916

Desmond Toohey Assistant Professor Department of Economics University of Delaware <u>dtoohey@udel.edu</u> (302) 831-3809 Saul Hoffman Visiting Professor Department of Economics University of Colorado <u>saul.hoffman@ucdenver.edu</u> (303) 315-2027

James Butkiewicz (Teaching Reference) Chairman Department of Economics University of Delaware <u>jimb@udel.edu</u> (302) 831-1891

Professional Website

https://sites.google.com/a/udel.edu/jesse-d-melvin/

Selected Course Evaluations from Spring 2017

"Great class. Information presented was all super clear, powerpoint presentations were awesome. He asked questions before class to review topics, and it was SO helpful. All of the assignments were also really helpful. In a lot of classes homework feels like busy work and doesn't seem beneficial, but all his assignments were great and made you really learn the material. He's super funny and just an overall great professor who really cares about his students."

"Incredible professor and very interesting guy. Made lectures very engaging and enjoyable tying life stories and real world applications to the material."

"The flashback stories helped understanding the material a lot."

"Very interesting policy about attendance. Good professor for sure."

"One of the best/coolest professors I've had. Would 10/10 recommend this professor over any other."