

AHEW 2017

The 9th Annual Health Econometrics Workshop

September 29–30, 2017

Olin Business School
Washington University in St. Louis, St. Louis MO



Welcome to the 2017 (9th) **Annual Health Econometrics Workshop (AHEW)**. The AHEW provides a forum to discuss the use of econometric and other quantitative methods to address issues in health economics and policy, health services research, and outcomes research. It is the first series of meetings of its kind in North America and facilitates the exchange of ideas among the growing health econometrics community.

Each paper accepted at the workshop will be allotted 50-60 minutes. The format of a presentation will be (i) a nominated discussant presents and appraises the paper (25-30 mins), (ii) the author(s) responds (10-15 mins), and (iii) open discussion follows (15 mins).

The workshop has limited capacity but is open to all. If interested, please register at www.healtheconometrics.org

The 2017 workshop will be held at the Olin Business School at the Washington University in St. Louis, MO, USA from Sep 29—30, 2017. We received forty highly qualified papers this year. Due to time constraints, we were able to include only 10 papers in the program. We would like to thank our discussants for taking the time to present these papers at the workshop. Their insights into the econometric issues are the highlight of the program. We also thank Professor Robert Miller of Carnegie Mellon University for agreeing to deliver the key-note speech of the conference.

We gratefully acknowledge the support of our sponsors, Agency for Healthcare Research and Quality (AHRQ), Pfizer Inc, The Olin Business School and the Center for Research in Economics and Strategy (CRES) at Washington University in St. Louis, and the University of Washington, Departments of Health Services and Pharmacy, without whom this conference would not be possible. Special thanks to Sandra Vaughn for handling most of the logistics around the organization.

We hope you will find the workshop stimulating. See you all in September!

Organizing Committee

Anirban Basu, University of Washington
Partha Deb, Hunter College, CUNY
Donna Gilleskie, UNC at Chapel Hill
Paul Grootendorst, University of Toronto
Barton Hamilton (Local Co-Chair), Washington University in St. Louis
Audrey Laporte, University of Toronto
John Mullahy, University of Wisconsin-Madison
Edward Norton, University of Michigan
Nicholas Papageorge, Johns Hopkins University
Stephen Ryan, (Local-Co-Chair), Washington University in St. Louis
 &
2016 Director of Outreach
Monica Garcia-Perez, St. Cloud State University



Thursday, September 28, 2017

6:30—9:00 PM : Pre-Workshop Dinner at **BLUEBERRY HILL**

Friday, September 29, 2017 (Knight/Bauer Hall, Room BH 210)

Conference location is within walking distance from hotel (1 mile)

Bus pick-up from hotel to conference location: 7:30am

7:45 – 8:30 AM : Breakfast and Welcome
8:30 – 9:20 AM : Paper # 1, **Bart Hamilton** discusses **Bueren**
9:20 – 10:10 AM : Paper # 2, **George Levi-Gayle** discusses **Cronin**
10:10 – 10:30 AM : Coffee Break
10:30 – 11:20 AM : Paper # 3, **Stephen Ryan** discusses **Park**
11:20 – 12:10 PM : Paper # 4, **Jeffrey Wooldridge** discusses **Greene**
12:10 – 1:30 PM : LUNCH
1:30 – 2:20 PM : Paper # 5, **Daniel Sacks** discusses **Whaley**
2:20 – 3:10 PM : Paper # 6, **Chris Taber** discusses **Fu**
3:10 – 3:30 PM : Coffee Break
3:30 – 5:00 PM : Keynote Speech by **Prof. Robert A. Miller**

Bus pick-up from conference location to hotel: 5:00pm

Bus pick-up from hotel to Social Event Venue : 5:50pm

6:00 – 9:00 PM : Evening Social Event & Dinner at **ST. LOUIS ART MUSEUM**

Bus pick-up from venue to hotel: 9:00pm

Saturday, September 30, 2017 (Knight/Bauer Hall, Room BH 210)

Bus pick-up from hotel to conference location: 7:30 am

7:45 – 8:30 AM : Breakfast
8:30 – 9:20 AM : Paper # 7, **Paul Rathouz** discusses **O'Malley**
9:20 – 10:10 AM : Paper # 8, **Nick Papageorge** discusses **Hong**
10:10 – 10:30 AM : Coffee Break
10:30 – 11:20 AM : Paper # 9, **Amanda Starc** discusses **Sacks**
11:20 – 12:10 PM : Paper # 10, **Juan Pantano** discusses **Powell**
12:10 PM : BOX LUNCH
1:00 PM : Adjourn

(All papers will be available for download at www.healtheconometrics.org)



Friday, September 29, 2017

3:30 – 5:00 PM

Robert A. Miller, PhD

*Carnegie Mellon University, Pittsburgh
USA*

Identifying Dynamic Discrete Choice Models off Short Panels

This paper analyzes the identification of flow payoffs and counterfactual choice probabilities (CCPs) in single-agent dynamic discrete choice models. We add to the existing literature on stationary environments and nonstationary settings where data is sampled every period respondents, new results on nonstationary models where the time horizon for respondents extends beyond the length of the data (short panels). Our most striking results apply to temporary counterfactual CCPs and policy functions in nonstationary short panels. Both are identified when induced by policy changes affecting payoffs, even though the utility flows are not; counterfactual CCPs induced by innovations to state transitions are generally not identified unless the model has terminal or renewal states.

Prof. Robert A. Miller

Richard M. Cyert and Morris DeGroot Professor of Economics and Statistics

Professor of Economics and Strategy

Tepper School of Business, Carnegie Mellon University, Pittsburgh

Dr. Robert Miller is an applied microeconomist who studies labor market issues, labor and housing choices, setting executive compensation, the microstructure of financial markets and auctions. Much of his work is empirical, and entails applying large data sets to economic models. He is widely published: in *Econometrica*, *Journal of Political Economy*, *American Economic Review*, and *The Review of Economic Studies*. He is frequently invited to present seminars throughout the United States, Europe, China, Latin America, Canada and Australia. At Carnegie Mellon, Miller teaches graduate courses in Advanced Econometrics and supervises graduate students. He also teaches MBA courses that he developed: Strategic Corporate Management, Trade and Investment Strategy, and Personnel Strategy. Robert Miller is the Richard M. Cyert and Morris DeGroot Professorship in Economics and Statistics and Professor of Economics and Strategy at Tepper School of Management, Carnegie Mellon University from 1982. He completed his PhD in economics at the University of Chicago in 1982.

Cv: <http://www.comlabgames.com/ramiller/RobertMillerCV.pdf>

Friday, September 29, 2017

8:25 – 8:30 AM : Welcome

SESSION # 1 Chair—Anirban Basu, University of Washington

8:30 – 9:20 AM : ENDOGENOUS HEALTH GROUPS AND HETEROGENEOUS
DYNAMICS OF THE ELDERLY

Discussant: Barton Hamilton, Washington University at St. Louis

Primary Author: Jesus Bueren, CEMFI, Spain

9:20 – 10:10 AM : MENTAL HEALTH, HUMAN CAPITAL AND LABOR MARKET OUTCOMES

Discussant: George Levi-Gayle, Washington University at St. Louis

Primary Author: Christopher Cronin, University of Norte Dame

10:10 – 10:30 AM : Coffee Break

SESSION # 2 Chair— Donna Gilleskie, University of North Carolina Chapel Hill

10:30 – 11:20 PM : ALTERNATIVE EVALUATION METRICS FOR RISK ADJUSTMENT
METHODS

Discussant: Stephen Ryan, Washington University at St. Louis

Primary Author: Sungchul Park, University of Washington

11:20 – 12:10 PM : SPECIFICATION, ESTIMATION AND TESTING OF HIERARCHICAL
ORDERED RESPONSE MODELS WITH ANCHORING VIGNETTES

Discussant: Jeffrey Wooldridge, Michigan State University

Primary Author: William Greene, New York University

12:10 – 1:30 PM : LUNCH

SESSION # 3 Chair— Edward Norton, University of Michigan

1:30 – 2:20 PM : THE MORAL HAZARD EFFECTS OF CONSUMER RESPONSES TO
TARGETED COST SHARING

Discussant: Daniel Sacks, Indiana University

Primary author: Christopher Whaley, RAND Corporation

2:20 – 3:10 PM : THE EFFECTS OF A CRIMINAL RECORD ON EMPLOYMENT,
WELFARE PARTICIPATION, AND HEALTH

Discussant: Christopher Taber, University of Wisconsin Madison

Primary Author: Ning Fu, University of North Carolina, Chapel Hill

3:10 – 3:30 PM : Coffee Break

Friday, September 29, 2017 (Contd.)

SESSION # 5 Chair—Barton Hamilton, Washington University in St. Louis

3:30 – 5:00 PM : **KEY-NOTE SPEECH**

Speaker: **ROBERT A. MILLER, CARNEGIE MELLON UNIVERSITY**

Topic : IDENTIFYING DYNAMIC DISCRETE CHOICE MODELS OFF SHORT PANELS

6:30 – 10:00 PM : Social Event & Dinner at TBD

Saturday, September 30, 2017

SESSION # 6 Chair— John Mullahy, University of Wisconsin at Madison

8:30 – 9:20 AM : **ADJUSTING FOR BIAS INTRODUCED BY INSTRUMENTAL VARIABLE**

ESTIMATION IN THE COX PROPORTIONAL HAZARDS MODEL

Discussant: Paul Rathouz, University of Wisconsin at Madison

Primary Author: James O'Malley, Dartmouth College

9:20 – 10:10 AM : **UNDERSTANDING THE MECHANISMS LINKING SOCIOEMOTIONAL SKILLS AND COLLEGE EDUCATION WITH LONGEVITY**

Discussant: Nicholas Papageorge, Johns Hopkins University

Primary Author: Kai Hong, New York University

10:10 – 10:30 AM : Coffee Break

SESSION # 7 Chair—Cole Chapman, University of South Carolina

10:30 – 11:20 PM : **HOW DO THE MANDATE AND THE PREMIUM TAX CREDIT AFFECT THE INDIVIDUAL INSURANCE MARKET?**

Discussant: Amanda Starc, Northwestern University

Primary Author: Daniel Sacks, Indiana University

11:20 – 12:10 PM : **IMPERFECT SYNTHETIC CONTROLS: DID THE MASSACHUSETTS HEALTH CARE REFORM SAVE LIVES?**

Discussant: Juan Pantano, University of Chicago

Primary Author: David Powell, RAND Corporation

12:10 PM : BOX LUNCH

1:00 PM : ADJOURN

Lodging All registered participants will be provided up to two nights (Sep 28 & 29) of accommodations at:

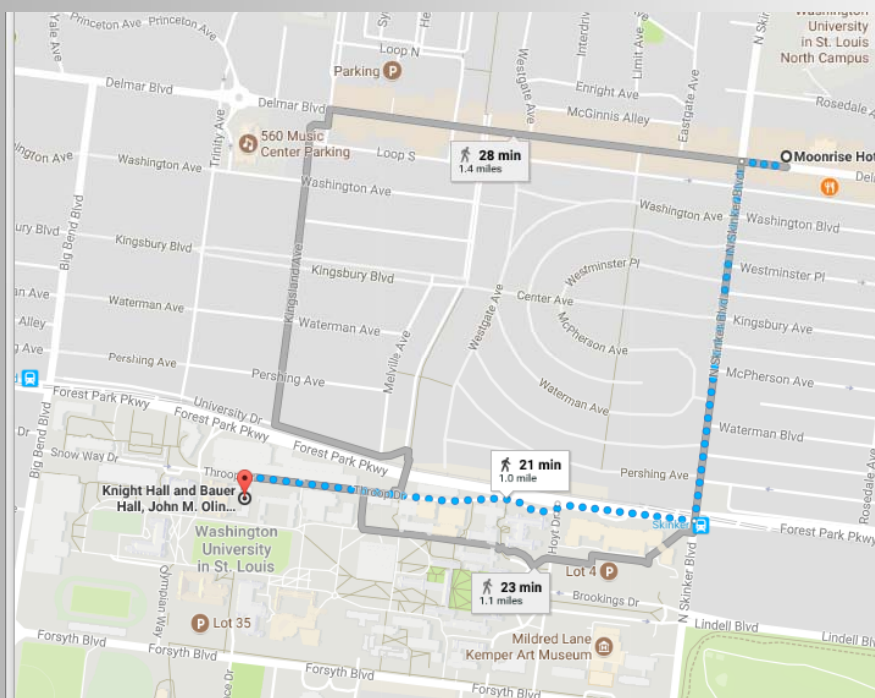


MOONRISE HOTEL
6177 Delmar in The Loop
St. Louis, MO 63112
<http://moonrisehotel.com/>

NEAREST AIRPORT FROM HOTEL: St. Louis Lambert International Airport (<https://www.flystl.com/>)

GROUND TRANSPORTATION OPTIONS AT LAMBERT AIRPORT:
<https://www.flystl.com/parking-and-transport/transportation>

Conference Venue
Olin Business School, Knight/Bauer Hall, Room BH 210
Washington University in St. Louis, MO

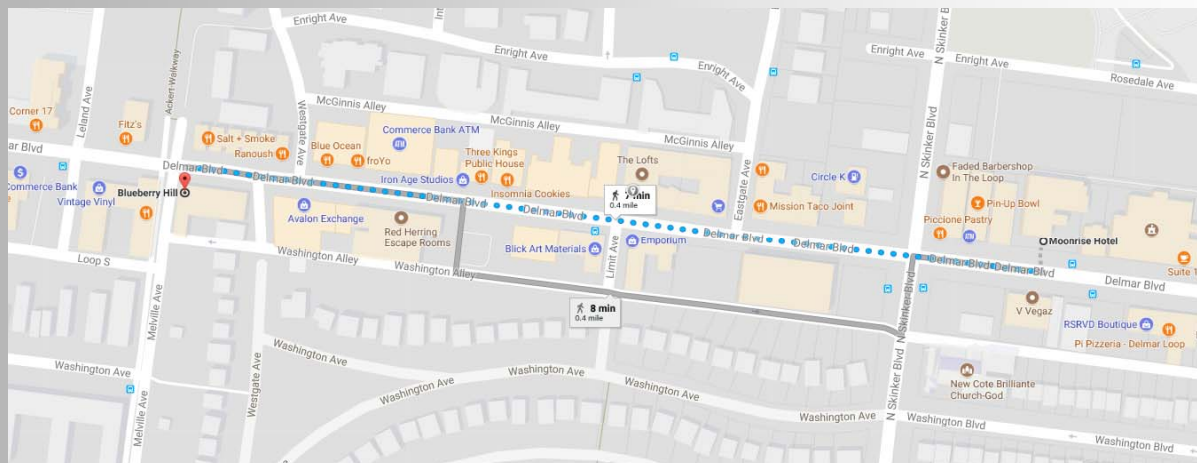


(Shuttle service will be provided)
The shuttle will drop you off in front of Knight Hall. Inside the building, turn left to go to the elevator. Take that to the 5th floor, exit right, walk to the very end of the hall and then turn right to the room.

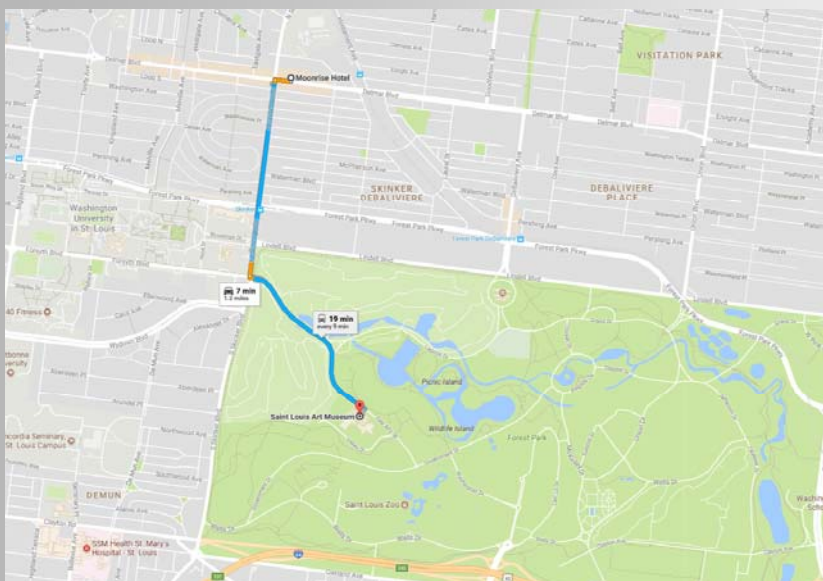
Pre-workshop Welcome Dinner
Thursday, September 28th, 2017
6:30—9:00 pm

Blueberry Hill

(in walking distance)
6504 Delmar Boulevard, St. Louis, MO 63130.
[http://blueberryhill.com/.](http://blueberryhill.com/)



Workshop Social Event & Dnner
Friday, September 29th, 2017
6:00—9:00 pm



Panorama Room,
St. Louis Art
Museum

(Shuttle service will be provided)
One Fine Arts Drive, Forest Park, St. Louis MO
www.slam.org