

## **Murat Khairzhan-uli Munkin**

*Curriculum Vitae*  
*September 2023*

### **Present Position**

Associate Professor, since 2007  
Department of Economics  
University of South Florida  
4202 East Fowler Avenue, CMC 207E  
Tampa FL 33620-5500, USA

Email: [muratmunkin@gmail.com](mailto:muratmunkin@gmail.com)  
Home page: <https://muratmunkin.github.io/>  
Office Phone: (813) 974-6517

### **Fields of Interest:**

Bayesian Microeconometrics, Health Economics

### **Education**

Ph.D. in Economics (Econometrics), 2001  
Indiana University, Department of Economics, Bloomington, USA

Diploma (Honors, GPA 4.82/5.00) in Mathematics (Probability Theory), 1993  
Moscow State University, Department of Mathematics and Mechanics, Moscow, Russia

### **Personal Data**

Nationality: Kazakhstan (Kipchak)  
Citizenship: United States  
Marital Status: Married

### **Previous Positions**

Ph.D. Program Director, 2019-2022  
Department of Economics, University of South Florida

Visiting Senior Research Economist, 2016-2018  
Economics Research and Policy Department, Islamic Development Bank, Jeddah, Saudi Arabia

Visiting Associate Professor, 2010-2012  
Department of Finance and Economics, Qatar University, Doha, Qatar

Associate Professor (with tenure), 2007  
Department of Economics, University of Tennessee, Knoxville

Assistant Professor, 2001-2007  
Department of Economics, University of Tennessee, Knoxville

Associate Instructor, 1996-2001,  
Department of Economics, Indiana University, Bloomington

Lecturer (Calculus), 1993-1994  
Kazakh National Technical University, Almaty, Kazakhstan

### **Journal Articles and Book Chapters**

“Comparing the Conditional Logit Estimates and True Parameters under Preference Heterogeneity: A Simulated Discrete Choice Experiment,” *Econometrics*, (2023), 11(1), 4; <https://doi.org/10.3390/econometrics11010004> (with Maksat Jumamyrdov, Benjamin Craig, William Greene)

“Count Roy Model with Finite Mixtures”, (2022), *Journal of Applied Econometrics*, 37, 1160-1181

“Biases in Maximum Simulated Likelihood Estimation of Bivariate Models”, (2022), *Journal of Econometric Methods*, 11, 55-70 (with Maksat Jumamyrdov)

“Bayesian semiparametric analysis on the relationship between BMI and income for rural and urban workers in China”, (2022), *Journal of Applied Statistics*, 49, 3215-3235 (with Lijuan Feng)

“Islamic Finance and SDG 10: Evidence from Selected OIC Countries”, (2021), *Islamic Finance and Sustainable Development*, Palgrave Macmillan (Springer Nature), 127-149 (with Hylmun Izhar)

“Bayesian Analysis of the Two-Part Model with Endogeneity: Application to Health Care Expenditure”, (2020), *Empirical Health Economics*, Edited by Andrew M. Jones, Edward Elgar Publishing (Reprint with P. Deb and P.K. Trivedi)

“The Effect of Total Capital on Asset Risks of Islamic Banks: The Endogenous Treatment Panel Data Model Approach”, (2017), *Review of Financial Economics*, 34, 1-9 (with Syed Basher and Lawrence Kessler)

“Recent Developments in Cross-Section and Panel Data Models of Event Counts”, (2017), *The Handbook of Empirical Economics and Finance*, edited by David Giles and Aman Ullah, Chapman and Hall/CRC, 87-131 (with P.K. Trivedi)

“Simulating the Contribution of a Biospecimen and Clinical Data Repository in a Phase II Clinical Trial: a Value of Information Analysis”, (2016), *Statistical Methods in Medical Research*, 25, 1303-1312 (with Benjamin Craig, Gang Han and David Fenstermacher)

“Estimating Incentive and Selection Effects in Medigap Insurance Market: An Application with Dirichlet Process Mixture Model”, (2015), *Journal of Applied Econometrics*, 30, 1115-1143 (with Stewart Hu and P.K. Trivedi)

“Bayesian Estimation of Panel Data Fractional Response Models with Endogeneity: An Application to Standardized Test Rates”, (2015), *Empirical Economics*, 49, 81-114 (with Lawrence Kessler)

“The Endogenous Sequential Probit Model: An Application to the Demand for Hospital Utilization”, (2011), *Economics Letters*, 112, 182-185

“Disentangling incentives effects of insurance coverage from adverse selection in the case of drug expenditure: a finite mixture approach”, (2010), *Health Economics*, 19, 1093-1108. (with P.K. Trivedi)

“Demand for Cigarettes: A Mixed Binary-Ordered Probit Approach”, (2010), *Applied Economics*, 42, 413-426 (with P. Kasteridis and S. Yen)

“A Bayesian Analysis of the OPES Model with a Non-parametric Component: Application to Dental Insurance and Dental Care,” (2009), *Advances in Econometrics*, Volume 23: Bayesian Econometrics, 87-114 (with P.K. Trivedi)

“Bayesian Analysis of the Ordered Probit Model with Endogenous Selection”, (2008), *Journal of Econometrics*, 143, 334-348 (with P.K. Trivedi)

“Private Insurance, Selection, and the Health Care Use: A Bayesian Analysis of a Roy-type Model”, (2006), *Journal of Business and Economic Statistics*, 24, 403-415 (with P. Deb and P.K. Trivedi)

“Bayesian Analysis of the Two-Part Model with Endogeneity: Application to Health Care Expenditure”, (2006), *Journal of Applied Econometrics*, 21, 1081-1099 (with P. Deb and P.K. Trivedi)

“Bayesian Analysis of Self-Selection Model with Multiple Outcomes Using Simulation-Based Estimation: An Application to the Demand for Healthcare”, (2003), *Journal of Econometrics*, 114, 197-220 (with P.K. Trivedi)

“The MCMC and SML Estimation of a Self-Selection Model”, (2003), *Computational Statistics and Data Analysis*, 42, 403-424

“Simulated Maximum Likelihood Estimation of Multivariate Mixed-Poisson Regression Models, With Application,” *The Econometrics Journal*, (1999), 2, 29-48 (with P.K. Trivedi)

## Working Papers

“A Note on Identification in the Multinomial Probit Model in the Presence of Weak Correlation”, (sole-authored)

“Analysis of School Absenteeism for Single and Full Parent Families: Finite Mixture Roy Approach” (with David Zimmer)

“Semiparametric Analysis of the Effect of Income on the Consumption of Tobacco and Alcohol Products in Turkey”, (sole-authored)

“Biases in the Maximum Simulated Likelihood Estimation of the Mixed Logit Model”, Under Review, (with Maksat Jumamyradov, Benjamin Craig, William Greene)

“Comparing the mixed logit estimates and true parameters under informative and uninformative heterogeneity: a simulated discrete choice experiment”, Under Review, (Maksat Jumamyradov, Benjamin Craig, William Greene)

## Awards

2002	The Esther L. Kinsley Ph.D. Outstanding Dissertation Award
2000	The Taulman A. Miller Best International Student Award Department of Economics, Indiana University, Bloomington, USA
1991-1993	Best Student Scholarship for Excellent Performance, Moscow State University, Department of Mechanics and Mathematics, Moscow, Russia
1986	Winner of Mathematical Journal “ <a href="#">Kvant</a> ” Tournament, Russia
1986	First place at International Mathematical “ <a href="#">Tournament of Towns</a> ”, Russia
1984	Third place in Kazakhstan Mathematical Olympiad (country level)
1984	First place in Almaty Mathematical Olympiad (city level)

## Courses Taught

### Ph.D. level courses:

Elements of Statistics (Math Economics 2)  
Elements of Econometrics  
Time Series Econometrics  
Special Topics in Microeconometrics  
Bayesian Econometrics  
Health Economics

### Undergraduate level courses:

Algebra; Calculus  
Mathematics for Business Students  
Introductory Statistics  
Introductory Microeconomics

Intermediate Microeconomics  
Introductory Macroeconomics  
Mathematical Economics  
Time Series Econometrics  
Health Economics

### **Research Grants**

“Sequential Relief of Child Health Problems” from EuroQol Research Foundation  
Total Direct Costs: € 102,718. Duration: 07/28/2021 to 08/01/2024.  
Ph.D. dissertation grant for Maksat Jumamyradov (Co-Principal Investigator with B. Craig)

“Introduction to Latent Classes in Health Valuation” from EuroQol Research Foundation  
Total Direct Costs: € 22,540. Duration: 08/01/2021-07/30/2022.  
Ph.D. dissertation grant for Suzana Karim (Co-Principal Investigator with B. Craig)

“Fast-Track Proposal: Scale, Rate, and Premium (SCRAP) in Health Valuation” from EuroQol Research Foundation  
Total Direct Costs: € 24,570. Duration: 01/01/2021-04/30/2022  
Ph.D. dissertation grant for Maksat Jumamyradov (Co-Principal Investigator with B. Craig)

“Preference Heterogeneity in Health Valuation” from EuroQol Research Foundation  
Total Direct Costs: € 42,950. Duration: 8/1/2019-04/30/2022.  
Ph.D. dissertation grant for Suzana Karim (Co-Principal Investigator with B. Craig)

“Preference Heterogeneity in Health Valuation: Dutch BWS Data” from EuroQol Research Foundation  
Total Direct Costs: € 20,100. Duration: 07/06/2020-02/28/2022.  
Ph.D. dissertation grant for Suzana Karim (Co-Principal Investigator with B. Craig)

“Preference Heterogeneity in Health Valuation: Peru EQ-VT Data” from EuroQol Research Foundation  
Total Direct Costs: € 24,480. Duration: 06/12/2020-02/28/2022.  
Ph.D. dissertation grant for Suzana Karim (Co-Principal Investigator with B. Craig)

“Effective Cancer Care: Building a Cancer CER Infrastructure”, from National Institute of Health, 2009-2010, (Consultant to D. Fenstermacher and B. Craig, Moffitt Cancer Center)

“U.S. Household Food Demand at Home”, from the US Department of Agriculture, 2007-2008 (Co-Principal Investigator with S. Yen)

Scholarly Research Grant, College of Business Administration, University of Tennessee, 2001-2003 (Principal Investigator)

“Health Plan Choice and Utilization: The Role of Attributes”, from the Robert Wood Johnson Foundation, 2002-2003, (Consultant to P.K. Trivedi and P. Deb)

“The Impact of Managed Care on the Demand of Preventive and Curative Medical Services”, from the Agency for Healthcare Research and Quality, 2001-2002, (Consultant to P.K. Trivedi and P. Deb)

**Referee:** *Journal of Econometrics*  
*The Econometrics Journal*  
*Journal of Business and Economic Statistics*  
*Journal of Applied Econometrics*  
*Computational Statistics and Data Analysis*  
*Health Economics*  
*Economic Inquiry*  
*Journal of the European Economic Association*  
*The Review of Economics and Statistics*

**Reviewer:** Folland, Sherman, Allen C. Goodman and Miron Stano. 2004.  
*The Economics of Health and Health Care*  
Upper Saddle River, NJ: Prentice-Hall Inc.

#### **Ph.D. Dissertation Supervision**

Panos Kasteridis, 2008, (**Chair**), Department of Economics, University of Tennessee  
Stewart Hu, 2011, (**Chair**), Department of Economics, University of South Florida  
Lawrence Kessler, 2013, (**Chair**), Department of Economics, University of South Florida  
Robyn Kibler, 2017, (**Co-chair**) Department of Economics, University of South Florida  
Stephen Poteet, 2020, (**Co-chair**) Department of Economics, University of South Florida  
Suzana Karim, 2022, (**Co-chair**), Department of Economics, University of South Florida  
Maksat Jumamyradov, 2023 (expected), (**Chair**), Department of Economics, University of South Florida

#### **International Advisor**

Askar Nurbekov, 2014, Eurasian National University, Astana, Kazakhstan  
Aslanbek Murzakhmetov, 2014, Kazakh National University, Almaty, Kazakhstan

#### **Ph.D. Dissertation Committees**

Shawn Strother, 2003, Department of Finance, University of Tennessee  
Chris Jones, 2008, Department of Economics, University of South Florida  
Rui Dai, 2009, Department of Economics, University of South Florida  
Finnie Cook, 2009, Department of Economics, University of South Florida  
Joe MacDougald, 2010, Department of Economics, University of South Florida  
Dan Zhao, 2013, Department of Economics, University of South Florida  
Natallia Gray, 2014, Department of Economics, University of South Florida  
Joseph Mohr, 2014, Department of Finance, University of South Florida  
Victoria Perk, 2016, Department of Economics, University of South Florida

John Oryema, 2016, Department of Economics, University of South Florida  
Lijuan Feng, 2018, Department of Economics, University of South Florida

### **MA Oral Examination Committees**

Kylie Gross (2014)  
Stephen Poteet (2014)  
Eros Gautam (2014)  
Jessie Coe (2013)  
Janmarie Pena (2013)  
Soma Bose (2019)  
Humberto Morales (2021)

### **University Service**

CAS Technology Standing Committee, 2021-present  
CAS Core Facilities Committee, 2014-2016  
CAS Computer Committee, 2009  
Graduate Committee (Chairperson), 2019-present  
Department of Economics Research Committee (Chairperson), 2011-2013  
Department of Economics Faculty Hiring Search Committee, 2011-2013  
Department of Economics Committee A (Tenure and Promotion Committee)  
Department Development Committee; Econometrics Qualifying Exam committee  
MA in Applied Economics Committee jointly with the Department of Mathematics  
Seminar Series Committee (Chairperson), 2007-2010

### **Service to Community**

Founding member of Barakah Judo Club (2018-2021)  
Faculty Advisor to Kazakhstan Student Association at University of South Florida (2014-2016)  
Board member of the Tajweed Institute of Florida (2014-2016)  
Mathematical club in the Universal Academy of Florida (2009)

### **Language Education**

2010-2012	Arabic for Non-Native Speakers Program Qatar University, Doha, Qatar
1995	Intensive English Program Indiana University, Bloomington, USA
1994	Texas Intensive English Program Austin, Texas, USA

### **Languages Spoken**

Kazakh (native), Russian (native), English (native), Modern Standard Arabic (intermediate)