

## ALIAKSANDR AMIALCHUK

---

4140A University Hall  
Department of Economics, MS 922  
University of Toledo  
Toledo, OH 43606

Office: (419) 530-4754  
aliaksandr.amialchuk@utoledo.edu

---

### EDUCATION

Ph.D., Economics, University of Houston, Houston, Texas, May 2007  
M.A., Economics, Economic Education and Research Consortium, Kyiv, Ukraine, May 2002  
B.A., Economics, Grodno State University, Grodno, Belarus, May 1998

### ACADEMIC APPOINTMENTS

**Associate Professor**, Department of Economics, University of Toledo, 2013 to present

**Assistant Professor**, Department of Economics, University of Toledo, 2007 to 2013

**Graduate Assistant and Teaching Fellow**, Department of Economics, University of Houston, 2002 to 2007

### PUBLICATIONS IN REFEREED JOURNALS

*Articles accepted for publication after tenure:*

1. **Amialchuk A.**, Sapci, O. The Influence of Normative Misperceptions on Alcohol-Related Problems among School-Age Adolescents in the U.S. (2020) *Review of Economics of the Household*.
2. **Amialchuk A.**, Ajilore O., and K. Egan. 2019. "The Influence of Misperceptions about Social Norms on Substance Use among School-age Adolescents," *Health Economics*, Volume 28, Issue 6, June, Pages 736-747.
3. Tietjen G., Elhai J.D., Karmakar M., and **Amialchuk A.** 2018. "Do Personality Traits Mediate the Relationship Between Childhood Abuse and Exploration of the Relationships in Young Adults Using the Add Health Dataset," *Headache: The Journal of Head and Face Pain*, Feb; 58(2):243-259.
4. Elhai J.D., Chai S., **Amialchuk A.**, and Hall B.J. 2017. "Cross-cultural and gender associations with anxiety about electronic data hacking," *Computers in Human Behavior*, Volume 70: 161-167.
5. Tietjen G., Karmakar M., and **Amialchuk A.** 2017. "Emotional Abuse History and Migraine Among Young Adults: A Retrospective Cross-Sectional Analysis of the Add Health Dataset," *Headache: The Journal of Head and Face Pain*, Volume 57: 45-59.

6. **Amialchuk A.**, Bornukova K., Ali M.M. 2016. “Will a decline in smoking increase body weights? Evidence from Belarus,” *Eastern Economic Journal*, doi:10.1057/s41302-016-0071-0.
7. Ajilore O., **Amialchuk A.**, Egan K. 2016. “Alcohol consumption by youth: Peers, parents, or prices?” *Economics and Human Biology*, 23:76-83.
8. **Amialchuk, A.**, Kotalik A. 2016. “Do Your School Mates Influence How Long You Game? Evidence from the U.S.” *PLoS ONE*, 11(8):e0160664.
9. **Amialchuk, A.**, Gerhardinger L. 2015. “Contraceptive use and pregnancies in adolescents' romantic relationships: role of relationship activities and parental attitudes and communication,” *Journal of Developmental & Behavioral Pediatrics*, 36(2):86-97.
10. Ali, M.M, **Amialchuk, A.**, Heller, L. 2014. “The Influence of Physical Activity on Cigarette Smoking among Adolescents: Evidence from Add Health,” *Nicotine & Tobacco Research*, 17(5):539-545.
11. Olugbenga A., **Amialchuk, A.**, Wei Xiong, Xinyue Ye. 2014. “Uncovering peer effects mechanisms with weight outcomes using spatial econometrics,” *The Social Science Journal*, 51(4):645–651.
12. **Amialchuk, A.**, Lisenkova K., Salnykov M, Yemelyanau, M. 2014. “Economic Determinants of Fertility in Belarus: a Micro-Data Analysis,” *Economics of Transition*, Volume 22(3):577-604.
13. Ali, M.M, **Amialchuk, A.**, Nikaj, S. 2014. “Alcohol consumption and social network ties among adolescents: Evidence from Add Health,” *Addictive Behaviors*, 39(5):918-922.
14. Ali, M.M, John A. Rizzo, **Amialchuk, A.**, Frank Heiland. 2014. “Racial differences in the influence of female adolescents’ body size on dating and sex,” *Economics and Human Biology*, Volume 12, January, Pages 140-152.
15. Ali, M.M, Minor T, **Amialchuk, A.** 2013. “Estimating the Biases Associated with Self-Perceived, Self-Reported, and Measured BMI on Mental Health,” *PLoS ONE* 2013, December, 8(12): e81021.
16. Ali, M.M, **Amialchuk, A.**, and Pentina I. 2013. “The Effects of Drinking and Sports on Popularity of Overweight Adolescents: Implications for Public Policy,” *Journal of Public Health*, Volume 21, Issue 3, pages 221-230.
17. **Amialchuk, A.**, Dimitrova, I. 2012. “Detecting the Evolution of Deliberate Fertility Control before the Demographic Transition in Germany,” *Demographic Research*, volume 27, article 19, pages 507-542.

Articles accepted for publication reported in the application for tenure and promotion:

18. **Amialchuk, A.** 2013. "Relative Wage Changes and Fertility in the U.S." *Eastern Economic Journal*, vol. 39, issue 2, pages 201-226.
19. **Amialchuk, A.**, 2013. "The Effect of Husband's Job Displacement on the Timing and Spacing of Births in the U.S.," *Contemporary Economic Policy*, vol. 31, issue 1, pages 73-93.
20. Yemelyanau, M., **Amialchuk, A.**, Ali, M., 2012. "Evidence from the Chernobyl Nuclear Accident: the Effect on Health, Education, and Labor Market Outcomes in Belarus," *Journal of Labour Research*, Vol. 33, Issue 1, January, pp. 1–20.
21. Ali, M., **Amialchuk, A.**, Rizzo, J., 2012. "The Influence of Body Weight on Social Network Ties among Adolescents," *Economics and Human Biology*, Vol. 10, Issue 1, January, pp. 20–34.
22. Ali, M., Gao, S., **Amialchuk, A.**, Heiland, F., 2012. "Adolescent weight gain and social networks: is there a contagion effect?" *Applied Economics*, Volume 44, Issue 23, pp. 2969-2983.
23. Ali, M., **Amialchuk, A.**, Dwyer, D., 2011. "Social Network Effects in Contraceptive Behavior among Adolescents," *The Journal of Developmental & Behavioral Pediatrics*, Vol. 32, Issue 8, October, pp. 563-571.
24. Pentina, I., **Amialchuk, A.**, Taylor, D., 2011. "Exploring Effects of Online Shopping Experiences on Browser Satisfaction and E-Tail Performance," *International Journal of Retail and Distribution Management*, Vol. 39, Issue 10, October, pp.742-758.
25. Ali, M., **Amialchuk, A.**, Renna, F. 2011 "Social Network and Weight Misperceptions among Adolescents," *Southern Economic Journal*, 77(4), 2011: 827-842.
26. Ali, M., **Amialchuk, A.**, Dwyer, D., 2011. "The Social Contagion Effect of Marijuana Use Among Adolescents," *PLoS ONE*, January, Volume 6, Issue 1, pp. 1-6.
27. Ali, M., **Amialchuk, A.**, Heiland, F., 2011. "Weight-Related Behavior among Adolescents: The Role of Peer Effects," *PLoS ONE*, June, Volume 6, Issue 6, pp. 1-9.
28. Bhargava A, **Amialchuk A.** 2007 "Added sugars displaced the use of vital nutrients in the National Food Stamp Program Survey," *Journal of Nutrition*, Feb; 137(2):453-60.

## OTHER PUBLICATIONS

Aliaksandr Amialchuk, 2016. "FRAMINGHAM30: Stata module to calculate 30-year risk of cardiovascular disease," Statistical Software Components S458258, Boston College Department of Economics.

Aliaksandr Amialchuk, 2009. "UEVE: Stata module to compute unbiased errors-in-variables estimator and variants from grouped data," Statistical Software Components S457015, Boston College Department of Economics.

"Excise Taxes in Ukraine: Some Options for Reform," Support for Economic and Fiscal Reform Project Report (Ukraine), Fiscal Analysis Office, 2000 (With Wayne Thirsk).

#### **MANUSCRIPTS UNDER REVIEW IN REFEREED JOURNALS**

Amialchuk, A., Sapci, O., Elhai, J. (2020) Applying Machine Learning Methods to Model Social Interactions in Alcohol Consumption among Adolescents. *Under review*

Elhai, J., Sapci, O., Amialchuk, A., Yang, H., Rozgonjuk, D., Montag, C. (2020) Objectively-measured smartphone use in relation to self-reported smartphone use, psychopathology symptoms, fear of missing out, procrastination, and academic productivity in college students. *Under review*

Sapci, Onur, Jon Elhai and Aliaksandr Amialchuk. (2020) "The Impact of Smartphone Use on Students' Academic Performance". *Under Review*

#### **PRESENTATIONS AT PROFESSIONAL MEETINGS**

"The Influence of Misperceptions about Social Norms on Substance Use among School-Age Adolescents" selected paper presented at the Midwest Economics Association Annual Meeting, St. Louis, Missouri, 2019.

"The Influence of Misperceptions about Social Norms on Substance Use among School-Age Adolescents" Northeast Ohio Economics Workshop Program in Cleveland, Ohio, 2018.

"The Mechanism of Social Network Spread of Alcohol Consumption" selected paper presented at the Midwest Economics Association Annual Meeting, Cincinnati, Ohio, 2017.

"Does Health Insurance affect Employee Productivity?" Northeast Ohio Economics Workshop Program in Cleveland, Ohio, 2016.

"Smoking and Obesity Revisited: Evidence from Belarus" selected paper presented at the Midwest Economics Association Annual Meeting, Columbus, Ohio, 2013.

"Exercise and Addictive Behavior: Does Exercise Reduce Smoking and Drug Use among Adolescents?" selected paper presented at the 4<sup>th</sup> Biennial Conference of the American Society of Health Economists, June, University of Minnesota, Minneapolis, Minnesota, 2012.

"Exercise and Addictive Behavior: Does Exercise Reduce Smoking and Drug Use among Adolescents?" selected paper presented at the 4<sup>th</sup> Biennial Conference of the American

Society of Health Economists, June, University of Minnesota, Minneapolis, Minnesota, 2012.

“The Effects of Drinking and Sports on Popularity of Overweight Adolescents: Implications for Public Policy,” selected paper presented at the Northeast Ohio Economics Workshop, Cleveland, Ohio, 2012.

“Evidence from the Chernobyl Nuclear Accident: the Effect on Health, Education, and Labor Market Outcomes in Belarus,” selected paper presented at International Health Economics Association 8th World Congress on Health Economics, July, Toronto, Canada, 2011.

“The Influence of Body Weight on Social Network Ties among Adolescents,” selected paper presented at International Health Economics Association 8th World Congress on Health Economics, July, Toronto, Canada, 2011.

“The Influence of Body Weight on Social Network Ties among Adolescents,” selected paper presented at 37th Annual Eastern Economics Association Conference, February, New York City, NY, 2011.

“The Influence of Body Weight on Social Network Ties among Adolescents,” selected paper presented at the Population Association of America annual meeting, April, Washington, DC, 2011.

“Evidence from the Chernobyl Nuclear Accident: the Effect on Health, Education, and Labor Market Outcomes in Belarus,” selected paper presented at 37th Annual Eastern Economics Association Conference, February, New York City, NY, 2011.

“Social Network Effects in Contraceptive Behavior among Adolescents,” selected paper presented at 37th Annual Eastern Economics Association Conference, February, New York City, NY, 2011.

“Economic Determinants of Fertility in Belarus: a Micro-Data Analysis,” selected paper presented at the BEROCC Second Annual International Economics Conference, December, Minsk, Belarus, 2010.

“The Evolution of Deliberate Spacing Behavior Before the Demographic Transition: Evidence from Germany,” selected paper presented at the Social Science History Association Meeting, November, Chicago, IL, 2010.

“The Influence of Body Weight on Social Network Ties among Adolescents,” selected paper presented at the Northeast Ohio Economics Workshop hosted by the Cleveland State University Economics Department, November, Cleveland, OH, 2010.

“The Effect of Husband's Job Displacement on the Timing and Spacing of Births in the U.S.,” invited paper presented at Speaker Series at the Center for Family and

Demographic Research (CFDR) at Bowling Green State University, September, Bowling Green, OH, 2010.

“Social Network and Weight Misperceptions among Adolescents,” selected paper presented at the 3rd Biennial Conference of the American Society of Health Economists, June, Ithaca, NY, 2010.

“Social Network and Weight Misperceptions among Adolescents,” selected paper presented at the Population Association of America annual meeting, April, Dallas, TX, 2010.

“The Legacy of Chernobyl: Health Effects of Exposure to Radiation on Schooling and Labor Market Outcomes in Belarus,” selected paper presented at the Midwest Economics Association Annual Meeting, March-April, Evanston, IL, 2010.

“Social Network and Weight Misperceptions among Adolescents,” selected paper presented at the Northeast Ohio Economics Workshop hosted by the Cleveland State University Economics Department, November, Cleveland, OH, 2009.

“Social Network and Weight Misperceptions among Adolescents,” volunteered paper presented at the Economics Department Seminar Series, September, University of Toledo, Toledo, OH, 2009.

“Social Network and Weight Misperceptions among Adolescents,” invited paper presented at the Department of Economics of Ohio University, October, Athens, OH, 2009.

“Stopping and Spacing Behavior in Times of Fertility Transition. Evidence from Germany,” volunteered paper presented at the ICPSR Summer Workshop in Longitudinal Analysis of Historical Demographic Data, July, 2009.

“Relative Wage Changes and Fertility in the U.S.: an Empirical Investigation,” selected paper presented at the Western Economic Association International Meeting in Vancouver, June, Vancouver, Canada, 2009.

“Weight Gain and Social Network: Is There a Contagion Effect,” volunteered paper presented at the Economics Department Seminar Series, September, University of Toledo, Toledo, OH, 2008.

“Weight Gain and Social Network: Is There a Contagion Effect,” invited paper presented at the Economics Department Seminar Series, October, University of Memphis, Memphis, TN, 2008.

“Weight Gain and Social Network: Is There a Contagion Effect,” selected paper presented at the Southern Economics Association Annual Conference, November, Washington, D.C., 2008.

“Parental Labor Supply and Overweight Children,” selected paper presented at the Midwest Economics Association Annual Meeting, March, Evanston, IL, 2008.

“Relative Wage Changes and Timing of Childbearing,” selected paper presented at the Population Association of America Annual Meeting, April, New Orleans, LA, 2008.

“Relative Wage Changes and Timing of Childbearing,” selected paper presented at the Society of Labor Economists Annual Meeting, May, Chicago, IL, 2007.

## **TEACHING EXPERIENCE**

University of Toledo: Fall 2007-present

Graduate level:

- Mathematical Economics
- Health Economics
- Population Economics
- Econometric Models and Methods I
- Econometric Models and Methods II
- Graduate Research Design

Undergraduate level:

- Mathematical Economics
- Health Economics
- Population Economics
- Econometric Models and Methods I
- Econometric Models and Methods II
- Principles of Microeconomics
- Principles of Macroeconomics

Belarusian Economic Research and Outreach Center (BEROC) Post-Graduate School:  
Applied Microeconometrics, May 2009, December 2009, May 2014, May 2017

University of Houston: 2004- 2006

Undergraduate level:

- Intermediate Microeconomics
- Principles of Microeconomics

## **STUDENT MENTORING**

Christopher Hampton (2020) Master`s Paper, “The Effect of the U.S. Meat Industry on Obesity among Minorities in the U.S.”

Jin Hyung Lee (2020) Masters' thesis, “Application of a synthetic control method to study the effect of THAAD deployment in South Korea on tourism from China.”

Linda Lindstroem (2020) Master`s Paper, “The pill and female labor force participation in Sweden.”

Nusrat Nasir Tania (2020) Master`s Paper, “The Influence of Adolescent Drinking on Education, Health and Labor Market Outcomes.”

Fredrik Lundstedt (2018) Masters' Paper, “Elasticities of Electricity Demand in Europe: A Panel Data analysis for 28 European countries”

Daniel Otterbeck (2018) Masters' Paper, “The Effectiveness of Cap-and-Trade Regulation on Coal CO2 Emissions: Empirical Evidence From the U.S.”

Vivian Okonkwo (2018) Masters' Paper, “What factors contribute to the increase in maternal mortality in the U.S.?”

Samuel Afagbedzi (2018) Masters' Paper, “Parental education and childhood mortality in Ghana.”

Aaron J. McKisic (2018) Senior Honors Thesis, “Determining Efficacy of Angina Pectoris and Hypertension as Indicators for Cardio-vascular Disease Risk”

Muhammad Mosaddek Hossain (2017) Masters' thesis, “Determinants of Educational Attainment in East and Southeast Asian Countries: Evidence From TIMSS 2015 Data.”

Sormista Das Tonni (2017) Masters' Paper, “The Achievement and Successes in the Healthcare Sector of Bangladesh.”

Zixuan Ye (2017) Masters' Paper, “The effects of rising employer-paid health insurance premium on unemployment.”

Brianna M. Byllesby (2017) Ph.D. dissertation, “The Moderating Effects of Emotion Regulation Strategies on the Relationship Between PTSD and Anger.”

Md Shakhawat Hossen (2017) Masters' thesis, "Freight flow, Pattern and Variable Magnitudes: Ins and Outs of Midwest."

Muhammad Mosaddek Hossain (2017) Masters' thesis, “Determinants of Educational Attainment in East and Southeast Asian Countries: Evidence From TIMSS 2015 Data.”

Taslima Akter (2016) Master's thesis, “Travel Behavior of a Mid-West College Community: A case Study of the University of Toledo”

Mayumi Kahanavitagedon (2016) Master's Paper, “How does the religion contribute to the difference in fertility rate.”



Samantha Corman (2016) Master's Paper, "Race/Ethnic disparity and changes in mother/pregnancy/infant characteristics in the context of higher infant mortality rates in the U.S."

Chelsea Bloom (2015) Master's Paper, "The Mechanism of Social Network Spread of Alcohol Consumption"

Kevin Omerza (2015) Master's thesis, "The Economic Impact of a Pharmacy-Based Hybrid Medication Adherence Model in Patients with Metabolic Syndrome"

Ebrahim Yasin (2015) Master's thesis, "Cost-effectiveness analysis of intra-articular Corticosteroid injection versus intra-articular hyaluronic acid injection in the treatment of Kellgren 3 and 4 knee osteoarthritis patients"

Ales Kotalik (2014) Undergraduate research project, "Peer Effects in Video Gaming among Adolescents"

Thea Sutton (2014) Master's Paper, "The effect of sports on alcohol consumption among adolescents"

Robert McMahon (2014) Master's Paper, "Moral Hazard in Health Insurance: When Part or All of Insurance is Paid by the Employer"

Laura Gerhardinger (2014) Undergraduate research project, "Contraceptive Use and Pregnancies in Adolescents Most Recent Romantic Relationships: The Role of Relationship Activities and Parental Attitudes and Communication"

Gangan, Nilesh (2014), Master's thesis, "Factors associated with Primary Medication Non-adherence and its effect on Health Service Utilization among Medicare Beneficiaries with Cardiovascular disease"

Huijun Jing (2013) Master's Paper, "Was the one child policy to blame for the declining fertility in China?"

Majed Aldalbani (2012), Master's Paper, "The Gender Influence of Best Friend On Adolescent Weight Status"

Aaron Bilkley (2012), Master's Paper, "The Effect of U.S. Agricultural Policy on Risk Factors for Diabetes via HFCS-55 Consumption."

Debabrata Ray (2011), Master's Thesis in Pharmaceutical Sciences, "Disparities in Health Care Resource Utilization and Expenditures in Prostate Cancer Patients in the United States"

Debabrata Ray (2011), Master's Paper, "The Effect of Dietary Soy Consumption on Diabetes Prevention"

Hyungsik Kim (2011), Master's Paper, "The Effect of a Mother's Work Hours on Her Children's Weight: New Evidence from the NLSY79 Children and Young Adult Surveys"

Fan Feng (2010), Master's Paper, "The Willingness to Pay for Access to Public Parks in NW Ohio"

Jinender Kumar (2009), Master's Thesis in Pharmaceutical Sciences, "A Retrospective Analysis to Identify Factors that Predict Adherence with HMG-CoA Reductase Inhibitors (Statin) Medications among University of Toledo Employees with Diabetes"

Yan-Jun Zhang (2009), Master's Thesis in Pharmaceutical Sciences, "Racial and Ethnic Disparities in Quality of Health Care among Adults with Diabetes in the United States in 2005 and 2006"

Kristen Clevenger (2009), Master's Paper, "Obesity, diabetes, and health care costs among older Americans"

Shouyuan Huang (2009), Master's Paper, "The Effect of Delaying Motherhood On Health And Education Outcomes Of First-Born Children"

Nate Rethorn (2009), Master's Paper, "Dynamic Panel Data Estimation And The Effect Of Crime Rates On Police Spending In The U.S."

## **UNIVERSITY, COLLEGE, DEPARTMENT SERVICE**

### ***University service***

- Ad hoc Scantron committee, AY 2019-20
- Ad hoc research committee related to COVID-19, Spring 2020

### ***College service***

- LLSS Honors & Awards Ceremony, Spring 2012
- College Assessment Committee, AY 2018-19

### ***Department of Economics service***

- LLSS college council representative, AY2014-15, 15-16, 16-17, 17-18
- Department Personnel Committee, AY2013-14, 14-15, 16-17, 17-18, 18-19
- Assessment committee, AY2011-12, 12-13, 13-14, 14-15, 15-16, 16-17, 17-18, 18-19
- Computer and Web Page Committee AY 2008-9, 14-15, 15-16, 16-17, 17-18, 18-19
- Program Review committee, AY 2011-12, 17-18, 18-19
- Peer Review Committee, AY 2018-19
- Micro Textbook Committee, AY 2018-19
- Shapiro Endowment Committee, AY2014-15
- SISS Steering Committee, AY2014-15, 15-16, 16-17
- Search Committee, AY2015-16

## **PROFESSIONAL SERVICE**

- Session Chair, Midwestern Economics Association Meetings, 2010, 2017

- Session Chair, IHEA 8th World Congress on Health Economics, 2011
- Discussant, Midwestern Economics Association Meetings, 2008, 2010, 2012, 2013, 2017, 2019
- Discussant, IHEA 8th World Congress on Health Economics , 2011
- Discussant, 37th Eastern Economics Association Conference, 2011
- Discussant, Social Science History Association Meeting, 2010
- Discussant, Southern Economics Association Conference, 2008
- Organizing and lecturing at the workshop “Econometric Methods with Applications in Labor and Population Economics”, Belarusian Economic Research and Outreach Center (BEROC), Minsk, Belarus, May 2009, 2014, 2017

**Journal referee**

*Contemporary Economic Policy, International Journal of Pediatric Obesity, International Journal of Public Health, International Journal of Behavioral Development, PLoS ONE, Economics and Human Biology, Journal of Affective Disorders, Journal of Human Resources, Addictive Behaviors, Social Science Research, The Social Science Journal, Nursing and Health Sciences, Preventive Medicine, Drug and Alcohol Dependence, Body Image, Population Research and Policy Review, Journal of Adolescent Health, Health Education Journal, Eastern Economic Journal, The Scandinavian Journal of Economics*