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EDUCATION

The Pennsylvania State University, Department of Economics **University Park, PA**
Ph.D. in Economics *Expected: May 2017*

Cumulative GPA: 3.72/4.0

- Conducted research on the spatial competition of grocery retailers and determinants of household grocery consumption using the IRI Consumer Network scanner data, Nielsen TDLinX store-attribute data, and the IRI Store scanner data.

Kyiv School of Economics (joint with the University of Houston) **Kyiv, Ukraine**
M.A. in Economics (High Honors) *August 2009 - June 2011*

Cumulative GPA: 3.70/4.33

National Technical University of Ukraine Kyiv Polytechnic Institute **Kyiv, Ukraine**
M.S. in Applied Mathematics (High Honors) *September 2008 - June 2010*

EXPERIENCE

The Pennsylvania State University, Department of Economics **University Park, PA**

- Research Assistant *Summer 2013, 2014, 2015, 2016*
 - Analyzed national grocery stores' data (Nielsen TDLinX)
 - Worked with US Census demographic data (including American Fact Finder)
 - Implemented and estimated computationally intense Demand Model for grocery purchases using Penn State Linux Cluster, Matlab and Stata
 - Visualized merge impact on market concentration using Stata and ArcGIS
 - Collected data on Amazon product classification using Python for web scraping
 - Cleaned Nielsen TDLinX US grocery stores' data using Stata
 - Estimated effect of competition on grocery chains' profits through Method of Moment Inequalities using Matlab package KNITRO
- Teaching Assistant, Graduate-level Empirical Methods in Economics *Fall 2013, 2014, 2015*
Spring 2014, 2015, 2016
 - Conducted office hours and review sessions for graduate class of 30+ students
 - Taught session on working with Penn State Linux cluster
 - Created and Graded assignments which included practical data experience, using computational tools to solve economic models numerically, programming econometric methods, and presenting empirical results:
 - OLS (Ordinal Least Squares) – GMM (Generalize Method of Moments)
 - NLS (Nonlinear Least Squares) – ML (Maximum Likelihood)
 - Mixed Logit – Demand estimation (BLP)
 - SMM (Simulated Method of Moments) – MCMC (Markov Chain Monte Carlo)
- Teaching Assistant, Introductory Microeconomics (undergraduate) *Fall 2012, Spring 2013*
 - Conducted office hours for the class of 300+ students
 - Graded homeworks and proctored exams

- Teaching Assistant, Intermediate Microeconomics (undergraduate)
 - Conducted office hours for the class of 300+ students
 - Graded homeworks and proctored exams

Fall 2011, Spring 2012

First Ukrainian International Bank, Operational Risks Department

Kyiv, Ukraine

- Operational Risks Department Intern *June 2007 - July 2007*
 - Worked on a method to improve the internal short-term credit rating system used for overnight bank lending
 - Learned methods of data clustering and classification and used VBA to implement the methods

HONORS AND AWARDS

Teaching and Research Assistantship, The Pennsylvania State University
KSE Full Scholarship, Kyiv School of Economics
State Scholarship for Excellence in Studies

August 2011 - Present
August 2009 - June 2011
September 2008 - June 2010

WORKING PAPERS

- Measuring Competition in Spatial Retail: An Application to Groceries, with Paul Ellickson and Paul Grieco, 2016 (submitted)
- Healthiness of Consumption and Retail Environment, 2016

SKILLS

Languages	Ukrainian, Russian, English
Programming and software	SQL, SAS, Matlab, Stata, ArcGIS, VBA, Excel, C++, R, Python, KNITRO optimization package, Latex, PPT, DBeaver, Linux, Git
Interests	Hiking, Ice Skating, Swimming, Running