

# Semih Tumen

---

CONTACT INFORMATION Ziya Gokalp Cad., No:48, Kolej | *Mobile:* +90-532-3435920  
Ankara, 06420 Turkey | *E-mail:* semihtumen@gmail.com

BIRTH DATE August, 1977.

FIELDS **Applied Microeconomics:**  
Labor Economics, Immigration, Development Economics  
Economics of Education, Social Interactions & Networks  
Econometric Policy/Impact Evaluation, Microeconometrics

EDUCATION **University of Chicago**  
*Department of Economics*

Ph.D., Economics, 2012.

- Thesis Title: *Essays on Endogenous Social Effects*
- Chair: Steven N. Durlauf
- Committee: James Heckman, Brent Hickman, Rafael Lopes de Melo

M.A., Economics, 2007.

**London School of Economics and Political Science**  
*Department of Economics*

M.Sc., Econometrics and Mathematical Economics, 2006.

**Middle East Technical University**  
*Department of Economics*

B.Sc., Economics, 2000.

CURRENT DUTIES & AFFILIATIONS **TED University**  
*Department of Economics*

Associate Professor of Economics, 2018 – to date.

**Institute of Labor Economics (IZA)**, Bonn/Germany

Research Fellow, 2015 – to date.

**Economic Research Forum (ERF)**, Cairo/Egypt

Research Fellow, 2015 – to date.

**Global Labor Organization (GLO)**, Maastricht/Netherlands

Research Fellow, 2017 – to date.

PAST  
DUTIES &  
AFFILIATIONS

**Central Bank of the Republic of Turkey**  
***Structural Economic Research Department***

Director General, 2016 – 2018.

**Republic of Turkey Prime Ministry, Food & Agricultural Product  
Markets Monitoring and Evaluation Committee**

General Coordinator, 2016 – 2018.

**World Economic Forum, Stewardship Board**  
***System Initiative on Shaping the Future of Economic Progress***

Senior Deputy, 2018.

**Central Bank of the Republic of Turkey**  
***Research and Monetary Policy Department***

Deputy Director General, 2015 – 2016.

Economist, 2011 – 2015.

**Central Bank of the Republic of Turkey**  
***Various departments***

Specialist, 2002 – 2011 (with graduate school breaks).

**Middle East Technical University**

Adjunct Associate Professor of Economics. 2014 – 2018.

Instructor, Department of Economics. 2010 – 2013.

**Bilkent University**

Instructor, Department of Economics. 2011 – 2012.

**TOBB University of Economics & Technology**

Instructor, Department of Economics. Fall 2013.

HONORS,  
AWARDS,  
CERTIFICATES,  
AND GRANTS

Winner of the 2017 Kuznets Prize.  
(best paper published in the ***Journal of Population Economics***)

Harvard Business School, Executive Education, Authentic Leader Development Certificate (2017).

Associate Professor of Economics, Higher Education Council (2014).

University of Chicago Fellowship (2007–2012).

London School of Economics, Graduate Merit Award (2006).

European Union Research Grant. “Project Name: Establishing the Survey of Household Consumption and Finance in Turkey” (1,000,000 EUR) – Central Bank of Turkey.

PROFESSIONAL  
MEMBERSHIPS

AEA, Econometric Society, EEA, SOLE, EALE, ESPE.

- [1] “Measuring Earnings Inequality: An Economic Analysis of the Bonferroni Index,” *Review of Income and Wealth*. **57**(4): 727 – 744 (2011).
- [2] “Fertility Decisions and Endogenous Residential Sorting,” *Regional Science and Urban Economics*. **42**(1): 78 – 87 (2012).
- [3] “Can Sustained Economic Growth and Declining Population Coexist?” with C. Elgin, *Economic Modelling*. **29**(5): 1899 – 1908 (2012).
- [4] “Regulation and the Market for Checks,” *Economic Modelling*. **29**(3): 858 – 867 (2012).
- [5] “Regulating Check Use in Turkey,” *Central Bank Review*. **12**(1): 1 – 12 (2012).
- [6] “Home Ownership and Job Satisfaction,” with T. Zeydanli, *Social Indicators Research*. **117**(1): 165–177 (2014).
- [7] “Quantifying and Explaining Stickiness in Housing Rents: A Turkish Case Study with Micro-Level Data,” with C. Aysoy and C. Aysoy, *Journal of Housing Economics*. **25C**: 62–74 (2014).
- [8] “Day-of-the-Week Effects in Subjective Well-Being: Does Selectivity Matter?,” with T. Zeydanli, *Social Indicators Research*. **119**(1): 139–162 (2014).
- [9] “Is Happiness Contagious? Separating Spillover Externalities from the Group-Level Social Context,” with T. Zeydanli, *Journal of Happiness Studies*. **16**(3): 719–744 (2015).
- [10] “Reassessing the Trends in the Relative Supply of College-Equivalent Workers in the U.S.: A Selection-Correction Approach,” with Z. Elitas and H. Ercan, *Journal of Economic Inequality*. **13**(2): 249–273 (2015).
- [11] “How Does a Shorter Supply Chain Affect Pricing of Fresh Food? Evidence from a Natural Experiment,” with C. Aysoy and D. H. Kirli, *Food Policy*. **57**: 104–113 (2015).
- [12] “The Use of Natural Experiments in Migration Research,” *IZA World of Labor*, 191, 1–10 (2015).
- [13] “Skill Acquisition in the Informal Economy and Schooling Decisions: Evidence from Emerging Economies,” *LABOUR*. **29**(3): 270–290 (2015).

- [14] “A Theory of Intra-Firm Group Design,” *Journal of Productivity Analysis*. **45**(1): 89–102 (2016).
- [15] “Taxing Fossil Fuels under Speculative Storage,” with D. Unalmis, I. Unalmis, and D. F. Unsal, *Energy Economics*. **53**: 64–75 (2016).
- [16] “Firm-Size Wage Gaps along the Formal-Informal Divide: Theory and Evidence,” with B. Balkan, *Industrial Relations*. **55**(2): 235–266 (2016).
- [17] “Immigration and Prices: Quasi-Experimental Evidence from Syrian Refugees in Turkey,” with B. Balkan, *Journal of Population Economics*. **29**(3): 657–686 (2016).
- [18] “The Economic Impact of Syrian Refugees On Host Countries: Quasi-Experimental Evidence from Turkey,” *American Economic Review* (P&P). **106**(5): 456–460 (2016).
- [19] “Social Interactions in Job Satisfaction,” with T. Zeydanli, *International Journal of Manpower*. **37**(3): 426–455 (2016).
- [20] “The Effects of Compulsory Military Service Exemption on Education and Labor Market Outcomes: Evidence from a Natural Experiment,” with H. Torun, *Economics of Education Review*. **54**: 16–35 (2016).
- [21] “Informal versus Formal Search: Which Yields a Better Pay?,” *International Journal of Economic Theory*. **12**(3): 257–277 (2016).
- [22] “Informality as a Stepping Stone: A Search-Theoretical Assessment of Informal Sector and Government Policy,” *Central Bank Review*. **16**(3): 109–117 (2016).
- [23] “Entrepreneurship in the Shadows: Wealth Constraints and Government Policy,” *The Economics of Transition*. **25**(2): 239–270 (2017).
- [24] “Career Choice and the Strength of Weak Ties,” *Central Bank Review*. **17**(3): 91–97 (2017).
- [25] “The Impact of Syrian Refugees on Natives’ Labor Market Outcomes in Turkey: Evidence from a Quasi-Experimental Design,” with E. Ceritoglu, H.B. Gurcihan Yunculer, and H. Torun, *IZA Journal of Labor Policy*. **6**:5 (2017).
- [26] “The Empirical Content of Season-of-Birth Effects: An Investigation with Turkish Data,” with H. Torun, *Demographic Research*. **37**: 1825–1860 (2017).

- [27] Social Interactions and Unemployment Fluctuations (2017), **Revise & Resubmit.**
- [28] Evaluating the Impact of the Post-2008 Employment Subsidy Program in Turkey, with B. Balkan and Y. S. Baskaya (2017), **Revise & Resubmit.**
- [29] Consumer Loan Response to Permanent Labor Income Shocks: Evidence from a Major Minimum Wage Increase, with I. E. Guney and Y. S. Hacıhasanoglu (2017), **Revise & Resubmit.**
- [30] Do Vocational High School Graduates Have Better Employment Outcomes than General High School Graduates?, with H. Torun (2017), **Revise & Resubmit.**
- [31] Do Fuel Prices Causally Affect Food Prices through the Transportation-Cost Channel? Evidence from a Tax Reform, with B. Balkan and S. H. Kal (2017).
- [32] (Demographic) Transition to a More Unequal Society (2013).
- [33] Is Search Intensity Countercyclical? (2014).
- [34] Black-White Disparities in the Duration of Unemployment (2012).
- [35] Firm Size, Gender Pay Gaps, and Informal Employment: Theory and Evidence, with B. Balkan (2014).
- [36] Cross-Border Mobility, Occupational Choice, and Urban Crime Rates, with T. Zeydanli (2013).
- [37] Persistency in Labor Income Shocks: A Behavioral Explanation, with I. Unalmis (2014).
- [38] Self-Employment, Unemployment Fluctuations, and Inequality, with H. Ercan and H. Ulucan (2016).
- [39] The Impact of Fertility on Maternal Happiness: Evidence from Twins, with T. Zeydanli (2016).
- [40] A Note on the Safety-Net Role of Informal Employment, with B. Balkan (2016).
- [41] Growth Effects of Local Government Spending: Evidence from Outer Space, with E. S. Ceylan (2016).
- [42] Do Private Pensions Increase Aggregate Household Savings? Evidence from Turkey, with S. M. Cilasun (2016).

- [43] Payroll Tax Cuts and Consumer Prices: Evidence from a Regression Discontinuity Design, with B. Balkan and H. Torun (2016).
- [44] Price Elasticity of Gasoline Demand: Evidence from Regional Dispersion in Regulated Prices, with H. G. Karasoy (2016).
- [45] Food Prices and the Quality of Road Infrastructure, with C. Aysoy and H. Saygili (2017).
- [46] Immigration, Housing Rents, and Residential Segregation: Evidence from Syrian Refugees in Turkey, with B. Balkan, E. Ozcan Tok, and H. Torun (2018).
- [47] Agricultural Credits and Agricultural Productivity: Cross-Country Evidence Highlighting the Interaction between Credit and Labor Markets, with C. Aysoy and U. Seven (2018).
- [48] Education and Labor Market Consequences of Student Protests in Late 1970s and the Subsequent Military Coup in Turkey, with A. Ozturk (2018).

WORK IN  
PROGRESS

- [49] Marriage Laws, Development, and Child Mortality (2012).
- [50] Ordered-Choice with Social Interactions (2012).
- [51] Semiparametric Identification of a Two-Sector Roy Model with Social Interactions (2012).
- [52] Identification in a Dynamic Schooling Choice Model with Recurrent States (2011).

PUBLICATIONS  
IN TURKISH  
AND  
MISCELLANY

- [53] “The Impact of the 2008 Crisis on Top Labor Incomes in Turkey: A Nonparametric Analysis,” *Economics Bulletin*. **33**(2): 1269–1282 (2013).
- [54] “Sorumluluk Tutarinin Cek Kullanimina Etkisi,” *CBT Research Notes in Economics*, 2009/2.
- [55] “On the Economic Content of the Gini Coefficient,” *Ekonomi-tek*. **1**(1): 97 – 110 (2012).
- [56] “Ileriye Donuk Goreli Fiyatlar ve Sektorel Dagilim Iliskisi,” with C. Aysoy, In F. Ozturk and T. Goksel (Eds.), *Para, Kur, Maliye Politikalari ve Reel Ekonomi*, Turkish Economic Association, pp. 1 – 15, Ankara: Imaj (2012).
- [57] “2008 Istihdam Tesvik Programinin Etkilerinin Incelenmesi,” with B. Balkan and Y. S. Baskaya, *CBT Research Notes in Economics*, 2013/29.

- [58] “Overview of Firm-Size and Gender Pay Gaps in Turkey: The Role of Informal Employment,” with G. Akar and B. Balkan, *Ekonomi-tek*. **2**(3): 1 – 21 (2013).
- [59] “Nominal Rigidities in the Market for Housing Rentals in Turkey,” with C. Aysoy and C. Aysoy, *CBT Research Notes in Economics*, 2014/12.
- [60] “Taze Meyve-Sebze Tedarik Zincirindeki Engelleri Azaltıcı Tedbirlerin Fiyatlar Uzerindeki Etkisi,” with C. Aysoy and D.H. Kirli, *CBT Research Notes in Economics*, 2015/03.
- [61] “Reassessing the Heterogeneity Hypothesis in Unemployment Dynamics,” with H. Ercan and H. Ulucan, *METU Studies in Development*. **42**(1): 111 – 128 (2015).
- [62] “Akaryakit Fiyatlarinin Nakliye Maliyetleri Kanali ile Taze Meyve-Sebze Fiyatları Uzerindeki Etkisinin Incelenmesi,” with B. Balkan and S.H. Kal, *CBT Research Notes in Economics*, 2015/08.
- [63] “Syrian Refugees: Economic Challenges and Opportunities,” *IEB Report*, 2016/I.
- [64] “Early Warning in Food: A Conceptual Introduction,” CBRT Blog Article, December 2016.
- [65] “Increasing Protectionism and Global Trends in World Trade,” with U. Seven, CBRT Blog Article, January 2017.
- [66] “Does the Infrastructure Quality of Highways Affect Regional Food Prices,” with H. Saygili, CBRT Blog Article, March 2017.
- [67] “How Does the Licensed Warehousing System Contribute to Price Stability?” with H. Songul, CBRT Blog Article, June 2017.
- [68] “Measuring Economic Destruction in Syria from Outer Space,” with E. S. Ceylan, ERF Blog Article, June 2018.

GRADUATE  
STUDENT  
ADVISING

**Zeynep Elitas** (co-advisor)  
PhD Economics – Middle East Technical University.  
Assistant Professor of Economics – Anadolu University.

**Hakan Ulucan** (co-advisor)  
PhD Economics – Middle East Technical University.  
Assistant Professor of Economics – Pamukkale University.

**Ahmet Ozturk** (co-advisor)  
PhD Economics – Middle East Technical University.  
Economist/Specialist – Turkish Ministry of Development.

**Elif Semra Ceylan** (co-advisor)  
MA Economics – Middle East Technical University.  
Consultant – Ernst & Young.

**Emine Meltem Bastan** (committee member)  
MA Economics – Middle East Technical University.  
Specialist – Central Bank of Turkey.

TEACHING  
EXPERIENCE

**Bilkent University, Department of Economics**

Econ 512 - Microeconometrics (Grad), Spring 2011, Spring 2012.

**Middle East Technical University, Department of Economics**

Econ 686 - Social Networks in Labor Markets (Grad), Fall 2013.

Econ 665 - Topics in Labor Economics (Grad), Fall 2012, Fall 2014.

Econ 698 - Labor Market Economics (Grad), Spring 2010, Spring 2014,  
Spring 2015.

**TOBB ETU, Department of Economics**

Econ 551 - Quantitative Methods (Grad), Fall 2013.

**University of Chicago, Department of Economics**

Econ 374 - Analysis of Microeconomic Data III (Grad), Spring 2009  
(with James J. Heckman).

Econ 350 - Life Cycle Dynamics and Inequality (Grad), Winter 2009  
(with James J. Heckman).

REFEREE  
SERVICE

- *Canadian Journal of Economics*
- *Economic Journal*
- *Economic Modelling*
- *Economica*
- *Economics E-Journal*
- *Energy Economics*
- *European Economic Review*
- *International Economic Review*
- *International Journal of Emerging Markets*
- *International Migration*
- *International Tax and Public Finance*
- *Journal of Happiness Studies*
- *Journal of Human Capital*
- *Journal of Human Resources*
- *Journal of Labor Economics*
- *Journal of Labor Research*
- *Journal of Political Economy*
- *Journal of Population Economics*



- *Migration Studies*
- *Pathogens and Global Health*
- *PLOS ONE*
- *Regional Statistics*
- *Review of Economic Studies*
- *Review of Economics and Statistics*
- *Review of Network Economics*
- *Small Business Economics*
- *Social Indicators Research*
- *Social Science Research*
- *World Bank Economic Review*
- *World Development*
- *Bogazici Journal*
- *Central Bank Review*
- *Iktisat, Isletme ve Finans*
- *METU Studies in Development*
- *Ekonomik Yaklasim*
- *Ekonomi-Tek*

EDITORIAL  
DUTIES &  
OTHER  
PROFESSIONAL  
SERVICE

*Editor:* CBT Research Notes in Economics. 2014 – 2016.

*Editor:* CBRT Working Paper Series. 2016 – 2018.

*Editor:* Central Bank Review. 2015 – 2018.

*Co-organizer:* ECB-CBRT Conference on “Balanced and Sustainable Growth,” Frankfurt (Aug 2015).

*Co-organizer:* ECB-CBRT Conference on “Economic Growth and Income Convergence,” Izmir (Sep 2016).

*Organizer:* CBRT Productivity Workshop, Izmir (Mar 2017).

*Co-organizer:* ECB-CBRT Conference on “Productivity and Sectoral Reallocation,” Izmir (Sep 2017).

*Organizer:* CBRT Policy Evaluation Workshop, Antalya (Mar 2018).

*Co-organizer:* ECB-CBRT Conference on “Modelling Macro-Finance Interactions,” Izmir (Sep 2018).

*Reviewer:* European Research Council, European Commission. 2018 – to date.

*External examiner:* COST Association – European Cooperation in Science and Technology. 2015 – to date.

*Scientific committee member:* Turkish Economic Association 2018 Conference.

PRESENTATIONS  
AND INVITED  
TALKS

**2019.**

American Economic Association Annual Meeting, Atlanta (Jan).

**2018.**

ERF Peace Building Workshop, Casablanca, Morocco (Nov); Workshop on Poverty, Inequality, and Structural Transformation in China and Other Developing Countries, Wuhan, China (Oct); Human Capital Workshop, Bahcesehir University, Istanbul (Oct); University of Southern California, Los Angeles (Sep); BETAM/World Bank Labor Market Network Meeting, Istanbul (Jun); Northwestern University/Buffer Institute, Evanston (May); World Bank Labor Market Workshop, Ankara (May); Turkish Competition Authority, Istanbul (May); CBRT Policy Evaluation Workshop (Mar); TED University (Mar); Maastricht University, UNU-MERIT (Feb); TUSIAD, Istanbul (Feb); Ozyegin University (Feb); Bogazici University (Feb); Ministry of Customs and Trade, Ankara (Feb); University College Dublin (Feb); OECD, Paris (Feb).

**2017.**

Koc University (Dec); Bogazici University (Dec); Economic Research Forum, Cairo (Dec); Food Retailers Association, Istanbul (Oct); Harvard University, Boston (Aug); Koc University, Istanbul (Apr); EBRD, Istanbul (Apr); MUNEF 2017, Elazig (Mar).

**2016.**

Bank of Italy, Rome (Dec); ECB-CBRT Conference, Izmir (Sep); OECD, Paris (Apr); Ankara University (Apr); Royal Economic Society, Brighton (Mar); ERF Conference, Cairo (Mar); American Economic Association Annual Meeting, San Francisco (Jan).

**2015.**

Koc University Winter Workshop, Istanbul (Dec); Turkish Treasury, Ankara (Dec); Ozyegin University, Istanbul (Nov); EY International Congress, Ankara (Nov); IZA-Slovakia Ministry of Finance Conference, Bratislava (Oct); Koc-ERF Conference, Istanbul (Oct); Koc-Kyoto Conference, Istanbul (Sep); IZA-CEPR European Summer Symposium in Labour Economics, Buch-Ammersee (Sep); ECB-CBRT Conference, Frankfurt (Aug); SOLE-EALE World Congress, Montreal (Jun); European Society for Population Economics, Izmir (Jun); EconAnadolu Conference, Eskisehir (Jun); IZA-World Bank Conference on Employment and Development, Bonn (Jun); Ankara University (May); Ministry of Food, Agriculture, and Livestock, Ankara (Feb).

**2014.**

Koc University Winter Workshop, Istanbul (Dec); TOBB-ETU Department of Economics Seminar (Nov); Turkish Economic Association, Antalya (Oct); ERF Research Workshop, Tunis (Sep); European Association of Labour Economists, Ljubljana (Sep); ECB-CBRT Conference, Izmir (Sep); IZA-World Bank Conference on Employment and Development, Lima (Jun); Bilkent Summer Workshop, Ankara (Jun); Society of Labor Economists, Arlington (May); Royal Economic Society, Manchester (Apr); Ankara University (Apr).

**2013.**

Koc University Winter Workshop, Istanbul (Dec); Galatasaray University (Nov); European Association of Labour Economists, Turin (Sep); TEA Workshop on Economic Statistics, Ankara (Sep); Econometric Society European Meeting, Gothenburg (Aug); IZA-World Bank Conference on Employment and Development, Bonn (Aug); Econometric Theory and Applications, Bilkent University, Ankara (Jul); EconAnadolu Conference, Eskisehir (Jun); North American Summer Meeting of Econometric Society, Los Angeles (Jun); Workshop on Social Economics, Bologna (Jun); ETU-TEPAV, Ankara (May); Midwest Macroeconomics Meeting, Urbana (May); Central Bank of Turkey (Apr, May, Oct, Nov); Atilim University (Mar); Middle East Technical University (Mar).

**2012.**

CEE Bogazici Conference, Istanbul (Dec); Central Bank of Turkey (Nov); Midwest Macroeconomics Meeting, Boulder (Nov); Turkish Economic Association, Izmir (Nov); IZA-CEPR European Summer Symposium in Labour Economics, Buch-Ammersee (Sep); Econometric Society European Meeting, Malaga (Aug); CBRT-BoJ Meeting, Ankara (Aug); European Society for Population Economics, Bern (Jun); University of Bern (Jun); European Workshop in Macroeconomics, Vienna (Jun).

**2011.**

ILO Workshop, Ankara (Nov); TEA National Economics Symposium, Bursa (Oct); Econometric Society European Meeting, Oslo (Aug); European Economic Association, Oslo (Aug); Asian Meeting of Econometric Society, Seoul (Aug); North American Summer Meeting of Econometric Society, St. Louis (Jun); University of Chicago (Jun); Sabanci University (May); Middle East Technical University (May); Society of Labor Economists, Vancouver (Apr); Royal Economic Society, Egham-London (Apr); Koc University (Mar); Bogazici University (Mar); Central Bank of Turkey (Mar); Bilkent University (Mar).

**2010.**

Hacettepe University (Dec); Bielefeld University (Nov); Universite de Bourgogne (Oct); Turkish Economic Association, Girne (Sep); NBER Summer Institute in Labor Studies, Cambridge (Jul); Federal Reserve Bank of New York (Apr); Midwest Economic Association, Evanston (Mar); Northwestern University (Mar); National Employment Workshop, Ministry of Labor and Social Security, Antalya (Feb).

**2009.**

6th ECB/CEPR Labour Market Workshop, Frankfurt (Dec); University of Chicago (Dec); Federal Reserve Bank of Chicago (Apr).