

**TAMER CETIN, Ph.D.**

**DATA SCIENTIST/ECONOMIST**

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**\*\*\*AUTHORIZED TO WORK IN THE US\*\*\***

### **SUMMARY:**

Data Science and Economist professional with background utilizing Python, SQL, Stata, and EViews for the entire data analysis workflow including data wrangling, data storytelling, data visualization, exploratory data analysis, and applying machine learning models to big data. Currently seeking Data Scientist, Economist, and Data/Business/Market Analyst opportunities in the tech, consultant, banking, e-commerce and product marketing field

### **TECHNICAL SKILLS AND HONOURS:**

**Languages:** Python, SQL, Stata, Gretl, Eviews, LaTeX

**Data Collection:** JSON, CSV, API, Web-Scraping, XLS,

**Data Visualization:** Matplotlib, Seaborn, Plotly, Tableau, Power BI

**Machine Learning:** Hypothesis Testing, A/B Testing, Linear Regression, Logistic Regression, Multivariate Regression, Cointegration with Structural Breaks, Panel Data, Time Series Analysis, Classification, kNN, Random Forest, Naive Bayes, K-Means Clustering, Neural Networks, Natural Language Processing, Keras, Tensorflow, Game Theory

### **HIGHLIGHTS:**

- \* Hands-on experience with a variety of machine learning / economic / statistical / econometric models, including time series analysis, microeconometrics (logit and probit models), panel data, multivariate regression, cointegration with structural breaks, and game theory
- \* Machine learning, economic modeling, statistical and econometric analysis, pricing, consultancy, mentoring, and academic experience
- \* Strong empirically-focused research track record on *Applied and Theoretical Microeconomics* evidenced by authorship of numerous papers, books, and book chapters with a special focus on economic modeling and econometric analysis. Recipient of numerous awards and research grants (please click my webpage above and see my academic CV for more information about my academic background)
- \* 14 years of research and teaching experience on *Microeconomics* and microeconomics-based courses such as *Microeconomics*, *Industrial Organization*, *Economics of Competition and Regulation*, *Energy Economy*, *Transport Economics*, and *Law and Economics* among others.
- \* Consulted with major companies to create insightful solutions on pricing, market definition, and market analysis identifying the right estimation model and analyzing the model on observational data
- \* Ranked within the first 200 in 125000 academics in the academic evaluation of 2016 in Turkey
- \* Excellent oral presentation and communication skills – Gave more than 30 talks at conferences and other platforms
- \* Op-Ed articles on the *Political Economy of Turkey* with a special focus on the transition to market-based economy from patrimonial state in Turkey in the biggest national newspaper (*Zaman*) and some other national newspapers (*Radikal* and *Star*) in Turkey

### **EXPERIENCE:**

**Academic -----**

Hamburg University

Hamburg, Germany

Visiting Professor

November, 2019 – ....

Doing research by using individual-level micro-data and logistic regressions and signaling games

Teaching Economics of Competition and Regulation at PhD level

Northeastern University

Boston, USA

Lecturer in Economics

August 2017 – August 2018

- \* Taught *Principles of Economics*, *Advanced Microeconomics*, and *Industrial Organization* at both

graduate and undergraduate levels, with a special focus on *Applied Microeconomics* and *Game Theory*

- Published 4 research papers on the economic effects of deregulation in airline industry (accepted for publication in the January 2019 issue of *Journal of Transport Economics and Policy*), market definition and market analysis in telecommunications (published in *Journal of Economic Issues*), ride sharing and taxicabs in urban transportation (accepted for publication in *Transport Policy*), and the effects of regulations and taxation on smoking (published in *Health Policy*).
- Authored 2 empirical papers in time series and panel data econometrics with aggregate and individual level data using estimation strategies such as logit models and Johansen cointegration test with structural breaks
- Authored 2 theory papers on policy making processes using game theoretical models

Yildiz Technical University

Istanbul, Turkey

Assistant and Associate Professor

May 2010 – April 2017

- Authored 10 empirical research papers in time series and panel data econometrics with aggregate and individual level data using estimation strategies such as logit and probit models, Johansen cointegration test with structural breaks, and pooled OLS strategies
- Published five books on microeconomic policy issues
- Conducted 7 research projects supported by my own university and Turkish Sciences Academy with approximately 80000 USD support
- Taught *Microeconomics* itself and Microeconomics-based graduate and undergraduate level courses with a special focus on *Game Theory* and *Applied Economics*
- Mentored three Ph.D. and four Master dissertations successfully

University of California, Berkeley

Berkeley, CA

Visiting Researcher

September 2013 – June 2015

- Conducted research on taxicab and ride-share services in the biggest cities (New York, Boston, Chicago, and Los Angeles) in the US

Bulent Ecevit University

Zonguldak, Turkey

Assistant Professor

September 2007 – May 2010

- Taught *Microeconomic Theory* at graduate and undergraduate levels with focus on *Game Theory*
- Authored research papers on microeconomics policies in network industries
- Mentored one Master dissertation successfully

Uludag University

Bursa, Turkey

Research and Teaching Assistant

September 2003 – May 2007

- Modeled regulatory policy-making process using decision trees and game theory
- Taught *Microeconomics* and *Financial Markets*

Bulent Ecevit University

Zonguldak, Turkey

Research Assistant

September 2001 – September 2003

- Investigated empirically the effect of regulatory changes on prices in energy market with cointegration methodology with structural breaks

Industry/Consultancy -----

Turkish Telecom

Ankara, Turkey

Consultancy

February 2011 – January 2013

- Prepared a policy report, which was supported by data analysis, clarifying how to define a market strongly affected through rapid technological developments by introducing a novel economic and econometric model
- Defended Turkish Telecom, which is the biggest company in Turkey, in the regulatory agency regarding its monopoly power and market abuse in the context of regulatory and antitrust issues
- Developed bundle sale strategies

Istanbul Metropolitan Municipality  
*Consultancy*

Istanbul, Turkey  
*September 2010 – May 2012*

- Using intra-city data on taxicab services, developed a model showing how a taxicab market effectively works

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*Zaman, Star, and Radikal*  
*OP-ED Columnist*

Istanbul, Turkey  
*December 2011 – June*

2015

- Wrote op-ed articles regularly in national newspapers such as *Zaman, Star* and *Radikal* on the political economy issues in Turkey, with a special focus on the transition to the Crony Capitalism under the Erdogan governments during the 2000s

#### **EDUCATION:**

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**Post-Doc.** University of California, Berkeley (2013-2015)

**Ph.D.** Economics, Uludag University, Turkey (2003-2007)

**M.A.** Economics, Bulent Ecevit University, Turkey (2001-2003)

**B.S.** Economics, Bulent Ecevit University, Turkey (1996-2000)

#### **REFERENCES:**

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**Metin Cosgel, Prof.,** University of Connecticut

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**Oytun Eskiyeenenturk,** PhD, Manager, Infrastructure Data Science at Facebook