Timur Dincer

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Authorized to work in US for any employer

OBJECTIVE:

Data scientist/analyst with strong background of mathematics and statistics seeking to work in the same capacity. Bringing 3+ years of data analytics experience, and 7+ years economics research experience to help solving industry/business problems.

AREAS OF INTEREST:

- Data Analytics
- Machine Learning
- Causal Inference
- Spatial Analysis
- Statistics/Econometrics

SKILLS:

- Computer Skills   : Python, QGIS, R, STATA, SQL, Tableau
- Data Science Tools   : PySpark, Pandas, NumPy, Scikit-Learn, Plotly, Matplotlib, Seaborn, StatsModel
- Language Skills   : English (Fluent), Turkish (Native)

EXPERIENCE:

- **Economics Researcher,** Freight Policy Transportation Institute, School of Economic Sciences Washington State University, Pullman, WA   08/2018-Present
  - Statistical/Econometric analysis
  - Data collection/wrangling, synthesizing and reporting results
  - Economic modelling
- **Senior Auction Specialist,** Republic of Turkey, Public Procurement Authority, Turkey   09/2008-08/2015
  - Data analytics in designing policies concerning public procurement mechanisms
  - Research and development of auction/negotiation mechanisms
- **Economics Teaching Assistant,** School of Economic Sciences Washington State University   08/2017-05/20118

EDUCATION:

- **AI / Data Science Academy**, Data Science Certification   04/2020-07/2020
- **Ph.D. Economics,** Washington State University, Pullman, WA   08/2017-05/2022
- **M.S. Economics**, University of Southern California, Los Angeles, CA   08/2015-08/2017
- **B.S. Economics**, Gazi University, Ankara (Turkey)   09/2001-06/2005

HONORS:

Republic of Turkey Public Employee Selection Exam, 30th place nationally among 100K participants, 2008

PROFESSIONAL ACTIVITIES:

- Apartment Coordinator, Washington State University Housing and Dining Services   08/2019-Present
- Campus Life Advisory Board Member, Washington State University   08/2021-Present
- PacTrans Student Conference Planning Committee Member   08/2020-Present

PROJECTS:

- ***Truck/Rail Rate Analysis for Agricultural Shipments*** *(funded by USDA), 09/2020-Present*
  - o <u>Data compilation and cleaning:</u> National Surface Transportation Board (STB) waybill sample for the period 2016-2019 obtained, compiled, cleaned, and merged with a proprietary truck rate data.
  - o <u>Spatial analysis:</u> Geospatial identification of corridors for agricultural shipments, analysis of the short-haul and long-haul competition between them.
  - o <u>Statistical analysis:</u> Structural estimation of the modal price elasticities for specific commodities and geographies through simultaneous estimation of shippers' cost functions with modal shares using SUR model.

- ***Agricultural Truck Freight Safety Analysis*** *(funded by USDA), 09/2018-03/2020*
  - o <u>Data compilation and cleaning:</u> National level accident datasets (Fatality Analysis Reporting System and Motor Carrier Management Information System) for the period 2008-2017 obtained, compiled, cleaned, and merged with other agricultural and census datasets.
  - o <u>Exploratory data analysis:</u> Alternative crash rates and crash severity levels identified and evaluated using tables and graphical representations.
  - o <u>Statistical analysis:</u> Estimation of causal effect of statutory exemptions granted to agricultural trucks using GLM models. (Logistic and Poisson models with time and geography fixed effects)

- ***Detection of Abnormally Low Bids in Public Procurement Auctions*** (*Republic of Turkey, Public Procurement Authority), 09/2008-08/2015*
  - o <u>Data compilation and cleaning:</u> Cross-sectional data for bid prices, quantities, and reserve prices in public procurement auctions for the period 2008-2012 across different subjects collected, merged, and cleaned.
  - o <u>Exploratory data analysis:</u> Empirical distribution of bid prices and pattern of their missingness explored.
  - o <u>Analysis/Simulations:</u> Parametric and non-parametric statistical outlier detection methods applied to the data to formulate a robust *classification* method for abnormally low bids.

- ***Healthcare Provider Supply Trend Analysis*** *(Summer Research, Washington State University School of Economic Sciences)* 06/2018-08/2018
  - o Trend analysis to explore whether healthcare provider supply had caught up with demand after enaction of Affordable Care Act. National Plan and Provider Enumeration System dataset obtained, merged with RUCA dataset. Main variables of interest cleaned, summarized; frequency tables and time plots created to explore the pattern of supply from 2010 to 2017 across urban, suburban, large rural, small rural, and isolated rural areas.

- ***Effect of Government Formation on GDP Growth of EU Countries*** (*Project, Sol Price School of Public Policy, University of Southern California*), *01/2016-05/2016*
  - o Panel Data Analysis on the *causal effect* of formation of government (Single party against Coalition) over GDP growth rates in European Union parliamentary democracies for the period 1970-2014.