Tuba Sendinç

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7 years of experience managing structured and unstructured data resulting from social, political, and economic processes. Proficient in statistical modeling, machine learning, and experimental methods. Skilled in data storytelling and communicating complex quantitative insights to diverse audiences.

SKILLS

Tools and languages: R, R Shiny, Python, SQL, Stata, Tableau, Microsoft Excel, Git, Qualtrics, LaTeX
Data Science & Statistics: Quantitative social research, probability/statistics, causal inference, hypothesis testing, scientific research design, machine learning, deep learning, natural language processing (text-as-data), time series, data wrangling, data visualization, survey research, survey experiments, questionnaire design, relational databases, panel data, individual-level data, measurement, data science communication, cloud computing

SELECTED EXPERIENCES

Penn State University   **August 2019 – present**

Graduate Research and Teaching Fellow
• Worked on research projects examining diverse social and political phenomena, employing sophisticated statistical analysis and cutting-edge machine learning methodologies.
• Developed data visualizations and presentations to effectively communicate findings.
• Designed and executed 4 survey experiments utilizing Qualtrics.
• Mentored and supervised a team of 5 undergraduate students, overseeing their data collection activities and ensuring high-quality results aligned with project objectives.

Instructor for R Workshop for Ph.D. Students
• Designed and taught a week-long workshop for incoming Ph.D. students with varying levels of experience with R.

Teaching Assistant for the following Ph.D. level methodology courses:
Multivariate Analysis for Political Research
Statistical Methods for Political Research
Survey Methods II: Analysis of Survey Data
• Graded exams and weekly problem sets related to statistics, held weekly office hours to assist and guide students on R programming language, Stata, and statistical concepts.

Guest Lecturer for "Endogeneity, Simultaneity, and Instrumental Variable Estimation"

• Delivered a guest lecture on the topics of endogeneity, simultaneity, and instrumental variable estimation to fellow Ph.D. students.
• Enhanced understanding of endogeneity and simultaneity challenges in statistical modeling through interactive discussions and practical applications.

PEER-REVIEWED ACADEMIC PUBLICATIONS

• "Do We Only Have Narcissists to Choose From?," 2023, Replication data and code are available on Harvard Dataverse. Using a nationally representative sample from the US, this article analyzes the relationship between respondents' narcissism levels and expressive political ambition, i.e., running for office in the past.

• "Sending the B Team: The Impact of Weak Signals of Resolve," 2024, (forthcoming in *Journal of Peace Research*) Using country-year and dyad-year data that encompasses all countries between 1945-2014, this article analyzes the relationship between US officials' visits to other countries and inter-state conflict.

EDUCATION

Ph.D Political Science, *Penn State University,* **GPA: 4.00 out of 4.00**   **May 2024 (expected)**
Fields: International Relations, Political Methodology
M.A. Political Science, *Penn State University,* **GPA: 4.00 out of 4.00**   **May 2021**
Fields: International Relations, Political Methodology
M.A. Political Science, *Sabancı University,* **GPA: 3.73 out of 4.00**, Istanbul, Turkey   **May 2021**
B.A. International Relations, Işık *University,* **GPA: 3.63 out of 4.00**, Istanbul, Turkey   **January 2017**