Dr. Meltem Odabaş

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Employment

Pew Research Center

Computational Social Scientist. August 2021 - Present. Washington, DC.

- Manage multiple research projects and oversee the work of interns.
- Manage and analyze large datasets, including survey data and social media data.
- Coordinate with cross-functional teams to ensure efficient and timely research projects execution.
- Produce written research reports and other related products.
- **Technologies used:** Analyze social media data using datasets using AWS, utilize Label Studio for data collection and labelling; apply survey, statistical and text analysis methods in R.

Indiana University Bloomington

Postdoctoral researcher. August 2019 - August 2021. Bloomington, IN.

- Worked on multiple research projects to analyze the drug prescription seeking behavior of opioid drug user patients in the US, and the impact of Coronavirus pandemic on medicated treatment access.
- Published academic articles, presented research in academic conferences.
- **Technologies used:** Analyzed large health claims datasets using Amazon Web Services and IU Supercomputing Services for data storage and analysis; applied social network analysis and machine learning methods in R.

University of Arizona

Graduate researcher. August 2012 - May 2019. Tucson, AZ.

- Worked on multiple research projects to analyzing online user interaction network data (in various platforms, such as the Dark Web, online news aggregation websites, social media sites)
- Collaborate with interdisciplinary teams, including economists, sociologists, computer scientists and public policy researchers.
- Published academic articles, presented research in academic conferences.
- **Technologies used:** Analyzed small and large scales of online communication data using datasets using UA High Perfornamce Computing (HPC) services; applied text and social network analysis methods in R.

Education

Doctor of Philosophy in Sociology, University of Arizona, 2019.
Committee members: Ronald Breiger (Chair), Erin Leahey, Charles Seguin.
Master of Arts in Sociology, University of Arizona, 2014.
Master of Arts in Economics, Boğaziçi University, 2012.
Bachelor of Arts in Economics, Boğaziçi University, 2012.

Technical and Professional Skills

`statistical programming` `R` `Python` `SQL` `version control` `git` `CLI` `cloud computing`
`AWS` `data acquisition` `data visualization` `data wrangling` `quantitative methods`
`network analysis` `text analysis` `regression analysis` `mixed methods` `project management`
`teamwork and collaboration` `research dissemination` `research report writing`

Research Products and Reports

Meltem Odabaş and Carolina Aragão. School District Mission Statements Highlight a Partisan Divide Over Diversity, Equity and Inclusion in K-12 Education. 2 April 2023.

Meltem Odabaş. Concern about drug addiction has declined in U.S., even in areas where fatal overdoses have risen the most. 31 May 2022.

Meltem Odabaş. 10 facts about Americans and Twitter. 5 May 2022.

Meltem Odabaş. 5 facts about Twitter 'lurkers.' 16 March 2022.

Academic Publications

(* = equal contributions)

Türkoğlu, Didem*, Meltem Odabaş*, Mustafa Yavaş, Doruk Tunaoğlu. 2023. "Competing Understandings of Democracy in Contemporary Turkey" (Accepted to *South European Society and Politics*)

Yang, Kai-Cheng, Brian Aronson, Meltem Odabas, Yong-Yeol Ahn, and Brea L Perry. 2022. "Comparing Measures of Centrality in Bipartite Patient-Prescriber Networks: A Study of Drug Seeking for Opioid Analgesics." *PloS One* 17 (8)

Perry, Brea L*, Meltem Odabaş*, Kai-Cheng Yang, Byungkyu Lee, Patrick Kaminski, Brian Aronson, Yong-Yeol Ahn, Carrie B Oser, Patricia R Freeman, and Jeffrey C Talbert. 2022. "New Means, New Measures: Assessing Prescription Drug-Seeking Indicators over 10 Years of the Opioid Epidemic." *Addiction* 117 (1): 195–204.

Lee, Byungkyu, Kai-Cheng Yang, Patrick Kaminski, Siyun Peng, Meltem Odabas, Sumedha Gupta, Harold D Green, Yong-Yeol Ahn, and Brea L Perry. 2021. "Substitution of Nonpharmacologic Therapy with Opioid Prescribing for Pain During the COVID-19 Pandemic." *JAMA Network Open* 4 (12)

Aronson, Brian, Kai-Cheng Yang, Meltem Odabas, Yong-Yeol Ahn, and Brea Louise Perry. 2020. "Comparing Measures of Centrality in Bipartite Social Networks: A Study of Drug Seeking for Opioid Analgesics."

Türkoğlu, Didem, and Meltem Odabaş. 2020. "'Mischievous Uncles' as Rule Breakers: Intersectional Stereotypes and Risk Perceptions During the Coronavirus Pandemic in Turkey." *Social Media+ Society* 6 (3)

Perry, Brea L, Kai Cheng Yang, Patrick Kaminski, Meltem Odabas, Jaehyuk Park, Michelle Martel, Carrie B Oser, Patricia R Freeman, Yong-Yeol Ahn, and Jeffery Talbert. 2019. "Co-Prescription Network Reveals Social Dynamics of Opioid Doctor Shopping." *PloS One* 14 (10)

Odabas, Meltem. 2019. "Online Communities as Cultural Fields." PhD thesis, The University of Arizona.

Odabaş, Meltem, and Heidi Reynolds-Stenson. 2018. "Tweeting from Gezi Park: Social Media and Repression Backfire." *Social Currents* 5 (4): 386–406.

Odabaş, Meltem, Thomas J Holt, and Ronald L Breiger. 2017. "Markets as Governance Environments for Organizations at the Edge of Illegality: Insights from Social Network Analysis." *American Behavioral Scientist* 61 (11): 1267–88.

Odabas, Meltem, Thomas J Holt, and Ronald L Breiger. 2017. "Governance in Online Stolen Data Markets." *The Architecture of Illegal Markets: Towards an Economic Sociology of Illegality in the Economy* 87.

Odabaş, Meltem, and Fikret Adaman. 2014. "Engaging with Social Networks: The Bourdieu-Becker Encounter Revisited." In *Forum for Social Economics*, 47:305–21. 3-4. Taylor & Francis.

Adaman, Fikret, and Meltem Odabaş. 2014. "Furthering the Link Between Social Capital and Corruption." In *Social Capital and Economics*, 104–19. Routledge.

Teaching Experience

University of Arizona
Courses Taught
Social Networks (Undergraduate)
Social Movements and Activism (Undergraduate)
Sociology of Education (Undergraduate)
Teaching Assistantship
Sociology of Happiness (Undergraduate)
University of Arizona Sources of Sociological Theory (Undergraduate)
Urban Sociology (Undergraduate)

Boğaziçi University
Teaching Assistantship
Microeconomics II (Game Theory) (Graduate)
Microeconomics I (Graduate)
Advanced Microeconomics (Undergraduate)
Microeconomics I (Undergraduate)
Macroeconomics I (Undergraduate)

Honors and Awards

American Sociological Association Cultural Sociology Section 2019 Graduate Student Travel Award, awarded for the submitted paper "Fit In and Stand Out: How Diversity in Taste Impacts Evaluation in Online Discussions."
Bunis Graduate Student Teaching Award University of Arizona, School of Sociology 2018.
TUBITAK (The Scientific and Technological Research Council of Turkey) 2010-2012 BIDEB Scholarship for Graduate Students.
TUBITAK (The Scientific and Technological Research Council of Turkey) 2010-2012 BIDEB Scholarship for Undergraduate Students who ranked at the top %0.1 in the State Central University Entrance Exam.

Professional Service

Article Peer-Reviews for: Socio-economic Review; Mobilization; Social Currents; Social Science Research; International Journal of Comparative Sociology; Review of Social Economy
American Sociological Association Sociology of Culture Section's Richard A. Peterson Award, Committee member, 2022-2023
American Sociological Association Sociology of Culture Section's Culture and Contemporary Life Talks, Committee member and organizer, 2020-2021
University of Arizona Computational Social Science Workshop, Volunteer Organizer, 2018.

Languages

Turkish (native); English (fluent).