

## Or Rappel-Kroyzer

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### **In brief**

I am a political historian of the United States specializing in the intersections of politics and memory, as well as an interdisciplinary data scholar. Passionate about data-driven research in the humanities and social sciences, I am currently completing my Ph.D. in American History at Tel Aviv University. Alongside my doctoral work, I have pursued a data-focused research agenda in American politics and serve as the Chief Scientist at the Center for Interdisciplinary Data Research at the Hebrew University.

### **Education**

- PhD Candidate, American History, Tel Aviv University, [2019 – Present]  
Dissertation Topic: “This tale happened once upon a time”: The Californian narrative of the Civil War and its influence on America, 1865-2009  
Advisor: Prof. Yael Sternhell
- MA, History, Tel Aviv University, Magna Cum Laude, 2019  
Thesis Title: The California Democratic Party on the Eve of the Civil War – Anatomy of Failure  
Advisor: Dr. Yael Sternhell
- BA, History, Open University, Magna Cum Laude, 2012
- BA, Mathematics, Computer Science and Jewish Philosophy, Hebrew University of Jerusalem, Magna Cum Laude, 2005

### **Academic Positions / Projects**

- Chief Data Scientist, Center for Interdisciplinary Data Research, Hebrew University, 2022-Present
- Co-Founder, Civil Archive for the October 7th War, Tel-Aviv University (<https://october7archive.sites.tau.ac.il/en>), 2023-Present

### **Peer-reviewed Publications**

#### **Peer-reviewed Journal Articles**

- O. Rappel-Kroyzer. “Confederate Memory on the Pacific: The California UDC, the West Coast Lost Cause Narrative, and the Erasure of California’s Role in the Civil War.” Under review.
- O. Rappel-Kroyzer. “Congressional Responsiveness and Micro-Minorities: Evidence from the Recent Israel-Gaza War.” Under review.
- O. Rappel-Kroyzer, U. Sommer. “The Socio-political Nature of the Gender Gap in COVID-19 Vaccinations: An Ecological Analysis.” Under review.

- O. Rappel-Kroyzer. "The UDC California Division Members Database: Using Spatial Analysis to Shed new Light on the Formation of Civil War Memory in California." *Proceedings of the 7th ACM SIGSPATIAL International Workshop on Geospatial Humanities*, 2023. DOI: <https://dl.acm.org/doi/abs/10.1145/3615887.3627753>
- U. Sommer, O. Rappel-Kroyzer. "Geographical Analysis of Political Epidemiology: Spatial Quantification of Simultaneity between Politics and Pandemics." *Political Geography*, 2023. DOI: <https://doi.org/10.1016/j.polgeo.2023.102939>  
10/318 Q1 (Top-3%) in Political Science, 11/173 Q1 (Top-6%) in Geography, IF=4.7
- A. Yoskovich, O. Rappel-Kroyzer, Y. Marmor, S. Levi, and E. Ben-Eliyahu, "ALMA Digital Atlas of the Ancient Jewish World: An Introductory Essay", *Jerusalem Journal of Archeology*, 2023. <https://jjar.huji.ac.il/publications/alma-digital-atlas-ancient-jewish-world-introductory-essay>
- U. Sommer, O. Rappel-Kroyzer, A. Adamczyk, L. Lerner and A. Weiner. "The Political Ramifications of Judicial Institutions: Establishing a Link between Dobbs and Gender Disparities in the 2022 Midterms". *Socius: Sociological Research for a Dynamic World*, 2023. DOI: <https://doi.org/10.1177/23780231231177157>  
28/218 (Top-12%) in Sociology, IF=3
- U. Sommer and O. Rappel-Kroyzer "Pandemic Politics in the USA." *Political Psychology* 2022. DOI: [10.1111/pops.12792](https://doi.org/10.1111/pops.12792)  
29/318 (Top-8%) Q1 in Political Science, 10/76 Q1 in Psychology (Top-13%), IF=4
- U. Sommer and O. Rappel-Kroyzer "Media Coverage in Democracies during the Outbreak of COVID-19". 2022. *Information Technology and Politics* 19(4). DOI: [10.1080/19331681.2021.1997869](https://doi.org/10.1080/19331681.2021.1997869)  
33/318 Q1 in Political Science (Top-10%), 45/228 (Top-19) Q1 in Communication, IF=2.6

### Conference presentations

#### 2024

- DH2024, "Clan or Commune? A Socio-Historical Computational Analysis of Family Ties in Communal Living" (with Yanir Marmor)
- American Political Science Association Annual Meeting, "Congressional Responsiveness to the Jewish Voter – Evidence from the Recent Israel-Gaza War."
- Israeli Data Science and AI Initiative Annual Conference, "Ballpark Learning: AI Framework to Assess Political Persuasion and Polarization" (with Udi Sommer and Dafna Shahaf)

#### 2023

- American Political Science Association Annual Meeting, "Ballpark Learning: AI Framework to Assess Political Persuasion and Polarization" (with Udi Sommer and Dafna Shahaf) <https://apsa2023-apsa.ipostersessions.com/Default.aspx?s=A3-8E-B1-A4-44-B5-FC-45-C7-BC-A0-97-95-F6-A0-62>

- Graphs and Networks in the fourth dimension - time and temporality as categories of connectedness; Joint conference of the HNR community and Graphs & Networks in the Humanities, “Halakhic Creativity of Sephardic Rabbis Educated in Israel after 1948: A Network Analysis” (with Zvi Zohar and Yanir Marmor)

## 2022

- American Political Science Association Annual Meeting, “The Cumulative Impact of Elections on Affective Polarization” (with Udi Sommer, online)
- The 18th World Congress of Jewish Studies, “Computational Analysis of the Halachic Literature created by Sepharadi Rabbis in Israel, 1967-2020” (with Zvi Zohar and Yanir Marmor)
- Broadening Our Approach: A Workshop on Comparative Political Communication, DeWitt Wallace Center for Media and Democracy, Duke University’s Sanford School of Public Policy, “A Paradigm Shift in the Understanding of Political Campaigns Based on NLP Tools” (with Udi Sommer)

## 2021

- American Political Science Association Annual Meeting, “Quantifying Polarization at Sub-State Levels: A Methodological and Substantive Framework using Election Outcome Shift (EOS)” (with Udi Sommer, online)

### **Peer-reviewed Journal Articles to which I consulted (see acknowledgements)**

- Ilana Shpaizman and Sharon Gilad. “At the last minute: The use of the prime minister's power to amend the agenda during a crisis.” Under review in *the Journal of European Public Policy*. (For a special issue on Crisis and Policy Making)
- Alster, Tal; Nachmany, Harel; Avni, Nufar, “Residents’ expectations from the municipality in an age of urban-national polarization”. Under review in *Urban Studies*
- Naama Seri-Levi. “Mapping Wandering Routes”, presentation to the academic committee of the Alfred Landecker Lecturer Program, Berlin, June 1, 2023
- Shlomi Fridge, Or Rappel-Kroyzer, Musicologic Analysis of the Human Voice using Crepe, in preparation.
- Renana Kedar, Ronit Levin Schnor, Or Rappel-Kroyzer. Measuring Deliberation in Constitutional Lawmaking, in preparation.

### **Patents**

- Rabani, M; Ben-Hamo, M. Schwartz, M; Rosenberg-Biton, E; Shay, Y; Rappel-Kroyzer, O. *Systems and Methods for Monitoring Lane Mark Quality*. WO2022149046A1. Published July 14, 2022.
- Bolless, E; Karavany, I; Neuhof, B; Rappel-Kroyzer, O; Shpigelman, S; Ben-Ami, H; Aviad, E, *Systems and Methods for Determining Road Safety*, WO 2021096935A2, published Jul 28, 2022
- Rappel-Kroyzer, O; Raphael, A; Karavany, I; Kom, S; Chanovsky, A; Avidan, E and Bolless, E, *Clustering Event Information for Vehicle Navigation*. WO 2020154599. Published Jul 30, 2020.

### **Scholarships, Honors and Awards**

- Excellence Grant, FFHEC (Pedagogaica), 2024
- Support Grant for the Civil Archive for the October 7<sup>th</sup> War, Dan David Foundation, 2024
- PhD Grant, Tel-Aviv University School of History, 2023

- Excellence Grant, Tel-Aviv University Center for Study of the United States, 2018, 2019, 2020
- Amirim Honors Program, Hebrew University's Faculty of Science', 2002-2005 (Full tuition; the most selective program in the Hebrew University)
- Rector Prize (top 1%), Hebrew University, 2003
- Dean's list (top 5%), Hebrew University, Faculty of Science, 2002
- President Honors List (top 1%), Open University, 2002
- Dean's Honors List (top 5%), Open University, Faculty of Humanities and Social Science, 2001

### **Teaching**

- "Archives and Civil Documentation During the Current War" MA Seminar, Culture Studies program, Tel-Aviv University, 2024

Co-developed with Noa Barak, Dotan Brom, Dror Sharon, and Dr. Hila Shalem Bahard

Delivered a lecture titled "Digital Archives."

### **Invited Talks**

- 1/2025: Geographic Information Systems, Digital Humanities Seminar, Tel Aviv University
- 12/2024: Digital Archiving, Digital Humanities Seminar, Tel Aviv University
- 9/2024: Image Processing for the Humanities, Digital Humanities Winter School, Hebrew University Digital Humanities Center
- 9/2024: Archiving Social Media, Digital Humanities Fall School, Hebrew University Digital Humanities Center
- 6/2024: Digital Archives, "Archives and civil documentation during the current war" MA Seminar, Culture Studies program, Tel-Aviv University
- 6/2024: Git Workshop, Hebrew University Digital Humanities Center Seminar
- 5/2024: Distant Reading in Historic Newspapers: The Disappearance of Californian Civil War Protagonists, Hebrew University Digital Humanities Center Seminar
- 3/2023: GIS Workshop, Digital Humanities Winter School, Hebrew University Digital Humanities Center

### **Industry Employment**

- Mobileye, 2017-2022
  - Software Engineer, REM mapping group, 2021-2022
  - Technology Lead, Geographic Dynamic data analysis and GIS, 2017-2021
- ICS<sup>2</sup> (Startup in the field of cyber-security and operation optimization for industrial systems), 2015-2017
  - Head of R&D, 2016-2017
  - Head of optimization, 2015-2016
- BrightSource Industries, Israel (subsidiary of BrightSource Energy, Builder, Planner and operator of large-scale solar thermal power plants), 2011-2017
  - Sr. Director, Solar Field Layout, 2015-2017
  - Sr. Director, Power Generation Modeling, Solar field modeling and SPOC, 2013-2015
  - Sr. Manager, Power Generation Modeling, 2011-2013
- AlgoSec (startup in the field of firewall management), 2010-2011

- Manager, Infrastructure team
- BHive Networks (startup in the field of web application monitoring; acquired by VMWare on 2009), 2006-2010
  - Manager at vSphere iOPs development team, 2009-2010
  - Manager, Mapping group, AppSpeed product, 2009
  - Team Leader, AppRehend team, 2007-2008
  - Software engineer, 2006-2007
- Kashya (startup in the field of continuous storage replication; acquired by EMC on 2006), 2005-2006
  - Software engineer