

Melanie J. Klein

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EDUCATION

American University, Washington, D.C. September 2021 – May 2025

- Bachelor of Science: Data Sciences for Justice, Law, and Criminology
- Minors: Computer Science and Political Science; Certificate: Digital Technology
- GPA: 3.99; Honors Programs: American University and School of Public Affairs

Carnegie Mellon University, Heinz College, Pittsburgh, PA June 2024 – August 2024

- Fellowship: Public Policy and International Affairs (PIIA) Junior Summer Institute on the Data Analytics Track

PROFESSIONAL EXPERIENCE

Demographic Analytics Advisors, *Data Science Intern*, Washington, D.C. January 2025 – Present

- Perform data cleaning and processing in R, using packages such as *tidycensus* to analyze U.S. Census data.
- Develop a Python-based tool with GitHub integration to monitor federal data collections and preserve resources.
- Designed a Qualtrics survey to collect qualitative stories highlighting the tangible benefits of federal data collections.

White House Office of Science and Technology Policy, *Policy Intern*, Washington, D.C. September 2024 – December 2024

- Supported leadership in the technology policy division on initiatives related to data governance, AI, and privacy.
- Coordinated a convening on Advancing Data and Evidence to Prevent Gun Violence, fostering collaboration among cities, policy labs, data intermediaries, and philanthropies to enhance local data strategies.
- Executed a collaborative process across agencies and civil society to identify federal datasets subject to the new federal race and ethnicity data standards.
- Co-planned events on law enforcement technology service providers, internet freedom technologies, and youth online safety. Crafted invite lists, developed discussion questions and run of shows, took meeting notes, and wrote readouts.
- Conducted internal research to inform strategy on combatting image-based sexual abuse.

U.S. Government Accountability Office, *Analyst Intern*, Washington, D.C. January 2024 – May 2024

- Assessed [cloud seeding technology](#) at Congress's request on the Science, Technology Assessment, and Analytics team.
- Framed a research objective on the technology's benefits by synthesizing evidence and emerging developments.
- Wrote key memos on coordination with inspectors general and the research scope, a design matrix outlining proposed methodologies, a literature search request, and meeting agendas for milestone reviews with senior leadership.
- Led five interviews with federal agencies, industry, and academia to gather primary sources of evidence. Prepared notification letters, scheduled interviews, developed question sets, and composed three records of interview.

American University Center for Data Science, *Research Fellow*, Washington, D.C. September 2023 – May 2024

- Studied coded antisemitic terms spreading to mainstream media for the university initiative *Unmasking Antisemitism*.
- Identified and monitored 30 antisemitic terms bypassing content moderation on extremist social media platforms.
- Managed 30 datasets in SharePoint to ensure coder reliability and performed weekly backups to uphold data integrity.
- Conducted a joint study comparing human and machine-based approaches to detecting hate speech, contributing to the study's methodology, execution, and [paper](#) for the 2024 IEEE Conference on Digital Platforms and Societal Harms.
- Executed qualitative textual analysis of 150 historical documents in NVivo to identify trends of antisemitic tropes.

Partnership for Public Service, *Research, Analysis, and Evaluation Intern*, Washington, D.C. May 2023 – August 2023

- Monitoring, Evaluation, & Learning: Cleaned and analyzed 10 surveys per week in Excel using macros and pivot tables to measure the effectiveness of federal leadership training programs. Updated performance management Power BI dashboards, created Qualtrics reports with data visualizations, coded qualitative data, and assisted with survey design.
- DEI Council: Authored two blog posts about DEI in government [data](#) and [technology](#). Revised the employee handbook and DEI writing guide. Enhanced demographic questions in internal and external surveys to collect more inclusive data.

American University Public Affairs and Policy Lab, *Research Assistant*, Washington, D.C. May 2022 – September 2022

- Assessed eight veterans treatment courts that were in an NIJ study examining offenders with a military service history.
- Transcribed 350 pages of interviews with veterans and analyzed their treatment experiences and program outcomes.

SKILLS

- Programming and Software: R, Python, GitHub, NVivo, SPSS
- Data Management and Visualization: Microsoft Excel Certification, Qualtrics, Power BI, Tableau