Kate Tanabe

Spatial data analyst with background in energy policy, land use and urban planning, and data communications

katetanabe@gmail.com | PORTFOLIO

EDUCATION

University of Pennsylvania, Weitzman School of Design — May 2023
Master of Urban Spatial Analytics
Coursework: Spatial Statistics, Public Policy Analytics, Data Visualization in Python, Land Use Planning, Land Use Modeling, Machine Learning in Remote Sensing, Geospatial Cloud Computing

Dickinson College — May 2018
Bachelor of Arts in Environmental Studies
Coursework: Geographic Information Systems, U.S. Environmental Policy, Global Environmental Politics, Statistics, Microeconomics, Environmental Economics, Urban Ecology

SKILLS

- Data collection
- Spatial analysis
- Data analysis
- Data visualization
- Data communication
- Machine learning and predictive modeling
- Policy analysis
- Qualitative and quantiative research
- Writing and technical communication

LANGUAGES/TOOLS

- R
- Python
- SQL
- PostgreSQL
- ArcGIS Pro
- ArcGIS Online
- Jupyter
- Git
- Tableu
- Google Cloud
- BigQuery
- Adobe Creative Cloud

PROFESSIONAL EXPERIENCE

American Council for an Energy-Efficient Economy
Local Policy Research Analyst — Feb 2022- Present

- Conduct research and author reports on city and utility clean energy policies, analyze data, evaluate trends, and manage data visualization process for city report
- Coordinate Multifamily Working Group of over 100 utility representatives and research best practices on energy efficiency in multifamily and affordable housing
- Provide technical assistance and data analysis to utilities and local government

American Council for an Energy-Efficient Economy
Local Policy Research Assistant — July 2018 - Jan 2022

- Contributed to local energy efficiency policy research and technical assistance projects
- Administered data requests to 300 city and utility contacts, managed data collection process, designed Tableau dashboard for annual city report

District Department of Transportation
Green Infrastructure Intern — May- Aug 2017

- Created database of 150 DDOT stormwater management practices by digitizing projects in ArcGIS
- Identified potential stormwater management study sites in ArcGIS
- Drafted community memos on ongoing and upcoming DDOT projects