

Kate Tanabe

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

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EDUCATION

University of Pennsylvania, Weitzman School of Design

Expected May 2023

Master of Urban Spatial Analytics

Coursework: Spatial Statistics, Public Policy Analytics, Data Visualization in Python, Land Use Planning, Land Use and Environmental Modeling, Machine Learning in Remote Sensing

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
- Policy analysis
- Research
- Writing and technical communication

LANGUAGES/TOOLS

- R
- Python
- SQL
- ArcGIS Pro
- ArcGIS Online
- PostgreSQL
- Jupyter
- Git
- BigQuery
- Tableau
- Adobe Creative Cloud
- Microsoft Office

PORTFOLIO

GITHUB

LINKEDIN

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