Kavina Tara Peters

352-216-7133

kavinapeters@berkeley.edu

linkedin.com/in/kavinapeters

https://github.com/ktpeters

OBJECTIVE   **Consideration for Pre-doctoral Assistant Position**

SKILLS AND QUALIFICATIONS

- Extensive experience with analysis of large databases using Python, R, SQL, and STATA
- Experience with spatial data and GIS tools like ArcGIS Pro, QGIS, and Geopandas
- Proficiency with LaTex and Github

ACADEMICS

- **UC Berkeley, BS in Environmental Economics and Policy (Honors)** *2021- 2025* **(GPA: 3.81)**
  - **Relevant Coursework**: Data 100 (Pandas and Data Analysis), Math 55 (Discrete Math with Proofs), Math 54 (Linear Algebra), Math 53 (Multivariate Calculus), Engin 7 (Matlab), Geog 188 (Intermediate ArcGIS Pro), Geog 80 (Introduction to GIS), EEP 118 (Econometrics using R), EEP 100 (Intermediate Microeconomics with Multivariate Calc), Econ 1 (Economics), EEP 101 (Environmental Economics), EEP 176 (Climate Change Economics), EEP 141 (Economics of the Food System), CYPLAN 115 (Urbanization), ESPM 163AC (Environmental Justice), ESPM C167 (Public Health).

RESEARCH EXPERIENCE, HONORS AND AWARDS

- **Ag and Resource Economics (ARE) Development research** Oct 2025- present
  - Aided Dr. Tamma Carleton's grad student Sarah O'Brien with finding and cleaning historical Indian road network data, using Python pipelines to match historical census data with current road networks.
  - Working towards a regression discontinuity setting to study how roads impact climate adaptation in response to short-term climate variation.
- **Environmental Economics and Policy (Honors thesis) Research** Jan 2024- May 2025
  - Conducted research into providing incentives for smallholder farmers in India to adopt agricultural interventions expected to increase soil carbon sequestration through farmers pay-outs from commercial firms dealing in carbon credits.
  - Conducted data analysis of survey results and weather data in Python.
  - Authored and Presented poster at the American Geophysical Union (AGU) in Dec 2024 poster session, working with Dr. Aprajit Mahajan's graduate assistant Shuo Yu
- **Communities for A Better Environment** *Policy Research Intern* March 2025-Present
  - Assisting in research on local and state-level environmental policy and speaking with key stakeholders in the East Bay Community.
  - Meeting with representatives to create just transition from polluting to green industry.
- **Institute for Research in Labor and Employment (IRLE)** *Researcher* Aug 2023- May 2024
  - Completed a policy brief on Nutrient Reduction policy and farm runoff lawsuits.
  - Conducted qualitative analysis of Corn Belt farmer interview responses.
- **Research Experience for Undergraduates (REU) at WSU CEREO** *Researcher with Prof Jennifer Adam* June 2023- Aug 2023
  - Created a systems dynamics framework, which models the effect of agricultural drought relief wells on groundwater depletion in the Yakima River Basin of Washington.
  - Wrote a review of the politics of western water rights and drought relief well permits.
- **Undergraduate Research Assistant Program (URAP)** *Student Researcher* Sep 2022- Dec 2023
  - Sociological research on Federal and state-level policies aiding new entry into California agriculture with Dr. Robin Marsh at the Institute for the Study of Societal Issues (ISSI).

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- ○ Constructed and analyzed surveys and conducted in-person and online interviews of human subjects.
- **Borlaug-Ruan** *World Food Prize Intern* June 2022- August 2022
  - ○ Assisting with quantitative research at the IRRI (International Rice Research Institute) around best management practices for rice agriculture in Odisha

PUBLICATIONS

- Peters, Kavina. Honors Thesis, 2025, *Examining the Burgeoning Voluntary Carbon Farming Market in India: Incentives, Challenges, and Efficacy for Smallholder Farmers*.
- Kavina Peters et. al. DailyCal, 2025, *Rewilding on Berkeley's Campus*.
- Peters, Kavina. American Geophysical Union, 2024, *Satellite Prediction of SOC for Smallholder Farmers in Odisha, India.*
- Peters, Kavina. REU poster 2023, *Evaluating the Long-term Effects of Drought Relief Wells on the Surface Water- Groundwater System in the Yakima River Basin (YRB)*.
- Peters, Kavina. Borlaug-Ruan (World Food Prize) paper, 2022, *Optimizing Rice-based Systems in Odisha, India.*
- Peters, Kavina, Berkeley Multicultural Germany Project blog, 2022, *Writing as an (Im)migrant: Calls to Action in Fatma Aydemir's "Work".*
- Peters, Kavina, World Food Prize, 2020, *Sustainable Ecosystems for a Changing India*.

RELEVANT WORK EXPERIENCE AND ACTIVITIES

- **Students of Color Environmental Collective (SCEC)** *Event Planner* Aug 2024- May 2025
  - ○ Event planning and grant maintenance for SCEC 10-year celebration.
  - ○ Facilitated outreach to key Bay Area Environmental Justice nonprofits and organizations.
- **Student Association for Environmental Justice -** *Policy team lead* 2024-2025
  - ○ Wrote reports on the California Environmental ScoreCard of legislators in our district.
  - ○ Mentored other students on how to get involved in Environmental research.
- **Vice Chancellor for Research Office (VCRO) Webmaster Assistant July 2022-Nov 2022**
  - ○ Maintained and wrote articles for VCRO website based on staff research.
  - ○ Aided in the migration of content from an old webpage to new one in Wordpress.
  - ○ Aided other Administrative duties such as editing and proof-reading web pages.

FOREIGN LANGUAGE SKILLS

Spanish: 4 years in high school, written and spoken. **German:** fluent. **Tamil:** conversational.

REFERENCES

- Dr. Sofia Villas-Boas, Professor in UC Berkeley Agriculture and Resource Economics (ARE).
  - (a) sberto@berkeley.edu
- Shuo Yu, PhD candidate, UC Berkeley Agriculture and Resource Economics (ARE).
  - (a) shuoy@berkeley.edu
  - (b) 626-241-3271
- Dr. Robin Marsh, Professor in the Institute for the Study of Social Issues (ISSI)
  - (a) robinmarsh@berkeley.edu
  - (b) 510-334-1736