Sandy Sum

Ph.D. Candidate · Economics & Environmental Science

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| Education | | |
|--|--|-------------------------------|
| PH.D. ECON | Barbara (UCSB) OMICS & ENVIRONMENTAL SCIENCE ee: Tamma Carleton (Chair), Chris Costello, Olivier Deschênes, Kyle Meng | 2019 - 2025 (expected) |
| UC Santa I M.A., Econ | | 2015 - 2016 |
| National U B.A., Econo | niversity of Singapore DMICS | 2009 - 2013 |
| Utrecht Un VISITING STU | viversity UDENT, ECONOMICS DEPARTMENT | 2012 |
| Research l | Positions | |
| 2024 2023-2024 2020-2021 2016-2019 2015-2016 | Graduate Student Researcher, Green Water Economics, UCSB Environment PI: Tamma Carleton & Ram Fishman Graduate Associate, UCSB Broom Center for Demography Graduate Student Researcher, California EPA Carbon Neutrality Study, UCResearch Analyst, Quantifying Sustainable Development, UC Berkeley Global PI: Solomon Hsiang Ecological Data Intern, National Center for Ecological Analysis and Synthesis | CSB emLab Policy Lab |
| Publicatio | ns | |
| 2024. | apact of Droughts on Served Drinking Water Disparities in California, 2007–2020" A., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., Mallow, C., Mag | , |
| Thivierg | ge, V., Uppal, A., Lea, D., & Meng, K. "Well setbacks limit California's oil supply bloyment losses than excise and carbon taxes" <i>Nature Energy</i> . Policy Brief, June 2 | y with larger health benefits |
| Thivierg | R., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., Mallow, C., Mage, V., Uppal, A. & Meng, K. "Equitable low-carbon transition pathways for California May 2023. | |
| Working F | Papers | |
| | ading Water and Work: Labor and Production Shifts under California Groundwaarket paper) | ter Markets" |
| | Carleton, T., and Sum, S. . "Parameter recovery with remotely sensed variables" uthorship; order randomized) | (in prep) |
| Selected V | Vorks in Progress | |
| "Global Une | qual Economic Dependency on Atmospheric Moisture Recycling" (with Tamma Ca | arleton and Ram Fishman) |
| "The Health | Impacts of Agricultural Land Use Change in California's Central Valley" (with A | nna Boser) |
| "Immigration Morales | Restrictions and Labor Market Outcomes: A Robust Replication" (with Jim | ena Rico-Straffon and Ruth |
| Policy Rep | oorts | |
| "The Econon | nics of Water: Valuing the Hydrological Cycle as a Global Common Good" | |

Commissioned report for Global Commission on the Economics of Water, 2024

[&]quot;Enhancing equity while eliminating emissions in California's supply of transportation fuels" Commissioned report for California EPA with emLab, 2021

| 2 | Graduate Summer Research Fellowship, Property & Environmental Research Center (PERC) |
|-----------------------------|--|
| 2 | Bren Summer Research Fellowship, UCSB Bren School |
| 2 | California Coastal Regional Equity Research Award*, UCSB Blum Center H. William Kuni Research Award*, (with Anna Boser) UCSB Bren School Berkeley Summer School in Environmental and Energy Economics Diversity Fellow, UC Berkeley & Sloan Foundation Bren Summer Research Fellowship, UCSB Bren School Travel Grant (x3), UCSB Bren School & Graduate Student Association |
| 24 | Graduate Summer Fellowship Grant*, California Policy Lab Bren PhD student grant for equity research, UCSB Bren School |
| indicates grant i | s over \$10K |
| Presentations. | |
| 2 | 24 Environmental & Resource Economics Workshop, CU Boulder Water Markets for Conservation Workshop, PERC Summer Seminar Series, PERC Summer Conference, Association of Environmental and Resource Economists Interdisciplinary PhD Workshop on Sustainable Development, Columbia |
| 24 | University Engaging The World panel on Health Equity, Chapman University The Bren School PhD Research Symposium, UCSB Bren School |
| 2 | The Occasional Workshop in Environmental and Resource Economics, UCSB The Workshop in Environmental Economics and Data Science, University of Oregon Social Cost of Water Pollution Workshop, Cornell Atkinson Center for Sustainability & US EPA Berkeley/Sloan Summer School in Environmental and Energy Economics, UC Berkeley Annual Environmental Justice Symposium, UCSB Bren School Interdisciplinary PhD Workshop on Sustainable Development, Columbia |
| 2 | University The Bren School PhD Research Symposium, UCSB Bren School |
| Teaching Expe | erience |
| | t, University of California, Santa Barbara |
| Spring 20 Winter 20 | |
| Spring 2022 & 2 | Economics of Environmental Management (ESM 204), Profs. Christopher Costello and Tamma Carleton |
| Fall 2022 & 20 Winter 20 | 23 Statistics for Environmental Data Science (EDS 222), Prof. Tamma Carleton |
| Student Q&A resp | oondent |
| November 2 | BREAD-IGC Virtual PhD Course on Environmental Economics, Prof. Tamma Carleton |
| Professional A | ctivities |
| 91 | Bren School Masters in Environmental Data Science Lecturer Search |
| 2022-pres 2021-2 | ent Economics and Environmental Science Student Group, Student Representative |