

Curriculum Vitae

RYAN G. MILLER

EDUCATION

DOCTORATE IN GEOGRAPHY

2018 - 2024

University of California, Davis

Provost's Fellowship in the Arts, Humanities, and Social Sciences

Land Use and Transportation Lab (Handy)

Geomorphology and Hazards Lab (Pinter)

Advisors: Dr. Susan Handy; Dr. Nicholas Pinter

Dissertation: Flood and Fire in the American West: Understanding Climate-Driven Disaster Displacement and the 2018 Camp Fire

MASTER OF URBAN PLANNING

2012 - 2014

University of Washington, Seattle

Emphases: Real Estate; Land Use, Transportation, and Infrastructure

Thesis: Planning for Broadband: An Evaluation of California's High Speed Internet Infrastructure Programs

Thesis committee: Jan Whittington, Manish Chalana

BA IN GEOGRAPHY; BA IN ECONOMICS

2008 - 2012

California State University, Chico

magna cum laude

Certificate in Rural and Town Planning

Outstanding Student in Geography Award (2012)

Department of Economics Achievement Award (2012)

PUBLICATIONS

Miller, R.G., and Pinter, N. (2022). Flood risk and residential real-estate prices: A difference-in-differences analysis in three US counties. *Journal of Flood Risk Management* 15(2). <https://doi.org/10.1111/jfr3.12774>

Miller, R.G., and Pinter, N. (2022, September 25). Federal Disaster Assistance to California. *California Water Blog*.
<https://californiawaterblog.com/2022/09/25/federal-disaster-assistance-to-california/>

Miller, R.G., Hansen, P., and Pinter, N. (2021, September 19). Risk Rating 2.0: A first look at FEMA's new flood insurance system. *California Water Blog*.
<https://californiawaterblog.com/2021/09/19/risk-rating-2-0-a-first-look-at-femas-new-flood-insurance-system/>

Tsournos, P., **Miller, R.G.**, Chaudhry, A. M., & Franklin, C.B. (2016). Economic Value of Recreation on the Sacramento River - Results of a Year-Long Survey of Recreational Visitors at all Public Access Sites on the Sacramento River. Technical report prepared for California Department of Water Resources.

<https://www.sacramentoriver.org/forum/index.php?id=library&rec=1189>

Chaudhry, A. M., Tsournos, P., Brimlow, J., **Miller, R.G.** (2016). Conservation and the Agricultural Landowner - Results of a Survey of Agricultural Landowners in the Sacramento River Corridor. Technical report prepared for California Department of Water Resources.

<https://www.sacramentoriver.org/forum/index.php?id=library&rec=1187>

Miller, R. (2012). California Broadband Report: A Summary of Broadband Availability and Adoption in California as of June 30, 2011. Technical report prepared for the Communications Division of the California Public Utilities Commission. <https://www.cetfund.org/report/california-broadband-report/>

RESEARCH EXPERIENCE

GRADUATE RESEARCH ASSISTANT

2018 - 2024

Department of Earth and Planetary Sciences; Institute of Transportation Studies - University of California, Davis

- Manage data analysis for ongoing contracts with California Department of Water Resources; examine socioeconomic impact of flood risk, insurance, and disaster assistance throughout California communities
- Conduct and analyze annual survey of UC Davis commuters regarding transportation, employment, and housing

PROJECT MANAGER / SENIOR ANALYST

2015 - 2018

Center for Economic Development, CSU Chico

- Supervise socioeconomic studies of communities near USFS lands
- Supervise workforce needs surveys for local community colleges
- Demographic mapping specialist for applied research projects

RESEARCH SPECIALIST

2014 - 2016

Geographical Information Center, CSU Chico

- Serve as geospatial liaison between technicians and research faculty
- Supervised administration of in-person recreational visitor surveys
- Contributed to research papers and presentations to state agencies

GRADUATE RESEARCH ASSISTANT

2012-2014

Washington Center for Real Estate Research, University of Washington

- Aggregated and mapped real estate sales data for Puget Sound region
- Contributed to multivariate models predicting commercial land values

TEACHING EXPERIENCE

CALIFORNIA POLYTECHNIC STATE UNIVERSITY (2024 -) CITY AND REGIONAL PLANNING

- **CRP 212 Intro to Urban Planning** (Winter 2025, Spring 2025)
- **CRP 213 Population and Housing Applications** (Fall 2024)
- **CRP 457 Geographic Information Systems in Planning** (Fall 2024, Winter 2025)
- **CRP 512 Visualization and Graphic Communication** (Winter 2025)
- **CRP 513 Graduate Research Methods** (Spring 2025)
- **LA 438 Intro to GIS for Landscape Architecture** (Winter 2025)

CALIFORNIA STATE UNIVERSITY, CHICO (2015 – 2024)

DEPARTMENT OF GEOGRAPHY AND PLANNING; SOCIAL SCIENCE AND SPECIAL PROGRAMS

- **GEOG 101 Physical Geography – Lecture and Lab** (Fall 2015, Fall 2016, Fall 2017, Fall 2019)
- **GEOG 106 Geography of the American West** (Spring 2015)
- **GEOG 301 Global Economic Geography** (Spring 2016, Spring 2017, Spring 2019, Fall 2022)
- **GEOG 303 Geography & World Affairs** (Spring 2016, Summer 2018, Summer 2019, Summer 2020, Summer 2021)
- **GEOG 311 GIS Concepts and Techniques** (Spring 2017)
- **GEOG 313 Introduction to Geographical Information Systems** (Spring 2017)
- **GEOG 313 Introductory Cartography** (Fall 2017)
- **GEOG 320 Intro to Land Use Planning** (Fall 2022)
- **GEOG 428 Remote Sensing of the Environment** (Fall 2017)
- **SOSC 210 Data Interpretation and Communication for the Social Sciences** (Spring 2018, Fall 2018)
- **SOSC 301 Spatial Concepts in Social Science** (Spring 2018, Spring 2019, Fall 2019, Spring 2020)
- **SOSC 333 Research and Inquiry in Social Science** (Spring 2021, Spring 2022, Spring 2023, Spring 2024)
- **SOSC 495 Social Science Capstone Seminar** (Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023, Spring 2024)
- **SOSC 601 Graduate Research Methods in Social Science** (Fall 2020, Fall 2021, Fall 2022, Spring 2024)

SACRAMENTO STATE UNIVERSITY (2023 – 2024)

DEPARTMENT OF GEOGRAPHY

- **GEOG 147 Urban Geography** (Spring 2023, Spring 2024)

UNIVERSITY OF CALIFORNIA, DAVIS (2020 – 2022)

DEPARTMENT OF ENVIRONMENTAL SCIENCE AND POLICY

- **ESP 171 Urban and Regional Planning** (*As Teaching Assistant:* Spring 2020, Summer 2021, Spring 2021, Summer 2021; *As Instructor:* Spring 2022, Summer 2022)

WOODLAND COMMUNITY COLLEGE (2018 – 2023)

DEPARTMENT OF MATHEMATICS AND SCIENCE

- **GEOG 1 Physical Geography** (Fall 2018, Spring 2019, Fall 2019 (Colusa County Campus), Fall 2020, Fall 2021, Fall 2022, Spring 2023)

CONFERENCE PRESENTATIONS

“WHO WE BLAME AND HOW WE BEHAVE: A SURVEY OF WILDFIRE-AFFECTED RESIDENTS OF PARADISE, CALIFORNIA”

American Association of Geographers, Honolulu, HI (2024)

“FEDERAL DISASTER ASSISTANCE TO CALIFORNIA AND THE NATION: INSIGHTS FROM 20 YEARS OF FEMA PUBLIC ASSISTANCE DATA”

American Association of Geographers, Denver, CO (2023)

“MAPPING THE DISASTER DIASPORA: USING CONSUMER DATABASES TO UNDERSTAND POPULATION RELOCATIONS”

California Geographical Society, Los Angeles, CA (2023)

“UNDERSTANDING CHANGES IN COMMUTING TO CAMPUS AMID AND AFTER COVID-19: INSIGHTS FROM THE 2019 THROUGH 2021 UC DAVIS CAMPUS TRAVEL SURVEY”

Association of Collegiate Schools of Planning, Toronto, ON (2022)

“RISK, REAL ESTATE, AND CLIMATE GENTRIFICATION: A DIFFERENCE-IN-DIFFERENCE ANALYSIS OF THREE U.S. COUNTIES”

Association of Pacific Coast Geographers, Flagstaff, AZ (2019)

“A LONG EMERGENCY: THE POST-CAMP FIRE HOUSING AND TRANSPORTATION CRISIS IN BUTTE COUNTY”

California Geographical Society, Big Bear Lake, CA (2019)

“A NEW APPROACH TO WRITING IN AN INTRODUCTORY PHYSICAL GEOGRAPHY COURSE”

California Geographical Society, Elk Grove, CA (2018)

“AN ANALYSIS OF CRIME RATES IN RURAL CALIFORNIA COUNTIES FOLLOWING AB 109 AND PROP 47”

California Geographical Society, San Diego, CA (2017)

“REDESIGNING GEOGRAPHY 101 FOR OUR REALITY”

Association of Pacific Coast Geographers, Portland, OR (2016)

“CONSERVATION AND THE AGRICULTURAL LANDOWNER”

California Geographical Society, San Jose, CA (2016)

“ASSESSING THE ECONOMIC EFFECTS OF HABITAT CONSERVATION ALONG THE SACRAMENTO RIVER”

California Geographical Society, Arcata, CA (2015)

“BROADBAND ACCESS IN CALIFORNIA”

California Geographical Society, San Luis Obispo, CA (2013)

“OFF-RAMPS TO NOWHERE: CA STATE ROUTE 149”

California Geographical Society, Davis, CA (2012)

“MAPPING FUEL CONSUMPTION IN CALIFORNIA: HOW WHERE YOU LIVE AFFECTS HOW YOU DRIVE”

Association of Pacific Coast Geographers, San Francisco, CA (2011)

“SUBURBAN DECLINE”

California Geographical Society: Bishop, CA (2011)

**HONORS AND
AWARDS**

California Geographical Society: Distinguished Service Award (2024)
California Geographical Society: 1st Place Graduate Paper Award (2023)
McKnight Outstanding Student Paper Award at APCG Annual Meeting (2019)
UC Davis Provost’s Fellowship in the Arts, Humanities, and Social Sciences (2018)
University of Washington – CoreNet Scholarship Program Recipient (2014)
University of Washington Provost’s Graduate/Professional Student Fellowship Award (2013)
CSUC Department of Geography and Planning Outstanding Student Award (2012)
CSUC Department of Economics Academic Achievement Award (2012)
APA California Chapter Undergraduate Scholarship (2012)
California Geographical Society: 3rd Place Undergraduate Paper Award (2011)
CSUC Department of Political Science, Town Hall Event Keynote Speaker (2010)

**PROFESSIONAL
AFFILIATIONS**

California Geographical Society (2011 –) *Student Board Member* (2019 – 2023)
Association of Pacific Coast Geographers (2012 –) *Undergrad. Paper Judge* (2021 –)
American Association of Geographers, Student Member (2018 –)
Association of Collegiate Schools of Planning, Student Member (2022 –)
Transportation Research Board, Student Member (2022 –)
American Geophysical Union, Student Member (2023 –)

**PROFESSIONAL
REFERENCES**

DR. SUSAN HANDY

Professor, Department of Environmental Science and Policy
University of California, Davis – 530-752-5878

DR. NORIYUKI SATO

Interim Chair, Department of Geography and Planning
California State University, Chico – 530-898-6219

DR. DIANA FLANNERY

Program Coordinator, Social Science Program and Professor in Public Health Administration
California State University, Chico – 530-898-4993

DR. MANISH CHALANA

Professor, Department of Urban Design and Planning
University of Washington, Seattle Campus – 206-616-6051