

ABBREVIATED CURRICULUM VITAE

Last updated February 2021

Matthew C. Clark

Boise State University
Ecology, Evolution, & Behavior Program
Lab affiliation: Human-Environment Systems

TEL: (925) 234-6717
Email: Matthewclark989@boisestate.edu
Twitter: @MattCSscience

EDUCATION

Boise State University, Boise, Idaho

Ph.D. in Ecology, Evolution, & Behavior: Human-Environment Systems

Expected graduation: May 2023

GPA 4.0

Boise State University, Boise, Idaho

M.Sc. in Biology: Human-Environment Systems, June 2019

Thesis: *Methodological Advances for Understanding Social Connectivity and Environmental Implications in Multi-Use Landscapes*

GPA 3.8

California State University Chico, Chico, California

B.S. in Ecological, Evolutionary, and Organismal Biology, December 2016

GPA 3.5

PEER REVIEWED PUBLICATIONS

Clark, M., Wilkins, E. J., Dagan, D. T., Powell, R., Sharp, R. L., & Hillis, V. (2019). *Bringing forecasting into the future: Using Google to predict visitation in U.S. national parks*. Journal of Environmental Management, 243, 88–94. <https://doi.org/10.1016/j.jenvman.2019.05.006>

Clark, M., Hillis, V.. *Network Governance of Natural Resources: Making collaboration count*. (In prep. Manuscript available upon request)

OTHER PUBLICATIONS

Skinner, A., **Clark, M.**, Lobo, R., Mahajan, S., De Nardo, M. (2019). *Social Outcomes of the CARE-WWF Alliance in Mozambique: Research Findings from a Decade of Integrated Conservation and Development Programming*. Impact assessment for the CARE-WWF Alliance and the Alliance for Conservation Evidence. *Full report and impact brief available upon request.

Dagan, D., Wheeler, I., Beck, L, Benedetti, A., Blacketer, M., **Clark, M.**, McHugh, K., Noss, C., Sizek, J., Wilkins, E., Powell, R., & Sharp, R. *2018 Park break report: Developing a visitation forecasting tool and management recommendations for the Mojave Desert Region NPS Units*. Research report to the National Park Service. *Full report available upon request.

OPEN-SOURCE WEB APPLICATIONS

Clark, M. (2018). National Park Service Visitation Forecast Explorer.
<http://hillislab.boisestate.edu/GoogleTrendsForecasting/>

RECENT CONFERENCE PRESENTATIONS

Clark, M. Computation for Communities and Conservation. Finalist - Boise State Three Minute Thesis Competition 2020. Boise State University. Boise, Idaho.

Clark, M., Hillis, V. Network Governance of Natural Resources: Making collaboration count. 2019. Annual meeting American Association of Geographers. Washington, D.C.

Clark, M., Wilkins, E., Dagan, D., Powell, R., Sharp, R., & Hillis, V.. “Bringing forecasting into the future: Using Google to predict visitation in U.S. National Parks. 2019. Research Computing Days, Boise State University. Boise, Idaho. *2nd place poster, student poster competition.

SELECTED TEACHING EXPERIENCE

Laboratory Instructor	2019 - Present
Introduction to the Diversity of Life. BIOL 192 - Two sections- Boise State University, ID	

Data Carpentry Instructor & Workshop Leader	2019
R for Social Scientists - Two day workshop - Midwest Big Data Hub, OH	

Software Carpentry Instructor & Workshop Leader **2019**
R for Reproducible Scientific Analysis - Two day workshop - New York Academy of Sciences, NY

Software Carpentry Instructor & Workshop Leader **2018**
R for Reproducible Scientific Analysis - Two day workshop - University of Minneapolis, MN

SELECTED PROFESSIONAL EXPERIENCE

World Wildlife Fund **2019**
Quantitative Social Science Intern

Top candidate selected from a nationwide search (U.S.). Responsible for harmonizing and analyzing data from a ten year, flagship CARE-WWF Alliance project in Mozambique. Key research objectives are to explore the food security and wealth impacts of community-managed fisheries, forests and mangrove interventions, using time-series quantitative household surveys.

Boise State R User's Group **2017 - Present**
Founder and Manager

I founded the Boise State R User's Group to bring together statistical computing expertise at Boise State and create a collaborative environment for undergraduates, graduate students, and faculty to further develop the necessary skills to succeed in the scientific arena. Brought in over \$800 of outside funding. Created an online open-source repository for others to access R tutorials. Brought in outside speakers on a bi-weekly basis to provide tutorials on novel content

George Wright Society & National Park Service Park Break **2018**
Graduate Student Participant

One of 10 graduate students selected nationwide to travel to Joshua Tree National Park on behalf of the George Wright Society to help manage and forecast increased visitor use. Primary quantitative researcher on the team. Developed a Bayesian forecasting model to predict park visitation. Developed an interactive web application to assist park managers in park planning

Forest Restoration Research Unit, Chiang Mai University **2016**
Forest Restoration Intern

Worked with local Hmong villages to build community support for non-timber forest products and local reforestation projects. Developed educational workshops for up to 50 visiting students. Primary team statistician, analyzed and presented data using R software. Organized collaborative reforestation site maintenance with local peoples and university researchers.

MENTORSHIP EXPERIENCE

Graduate Student Mentor - Boise State Vertically Integrated Projects <i>Financial Impacts of Wildfire Smoke on the National Park Service</i>	2020
Graduate Student Mentor - Boise State Vertically Integrated Projects <i>Assessing Fuel Efficiency of Improved Cookstoves in Rural Tanzania</i>	2020