

Master's student needed to analyze surveys on Prescribed fire on private land in the Central Sierra Nevada



Prescribed fire on private lands in the central Sierra Nevada combines two CAL FIRE funded grants and SJSU funds to encourage landowners to use prescribed fire to manage their flammable landscapes, and understand their perception, successes, and challenges.

Seeking Graduate Student Researcher for 80 to 600 hours of assistance on project. Salary is \$18 per hour. Student needs strong coding and qualitative skills with survey data; Experience entering data, completing quality assurance and control, and writing reproducible R code. Students needs strong communication skills, independent yet collaborative work ethic. Student may potentially collaborate on publication and grants to extend research. Applicants may be in Biology, Sociology, Statistics, or other departments at SJSU. To apply, send cover letter, CV, three references, and example of R code to Kate.Wilkin@sjsu.edu.

The overall goal of this project is to (1) help landowners understand prescribed fire options on their own property through publications, information dissemination, and in-person workshops and (2) understand perceptions of prescribed fire on private land. It builds on a series of successful workshops held by UCANR in 2018 (ucanr.edu/2019rxworkshops/). We've hosted 15 of 20 workshops targeted at landowners with 10 to 500 acres across in the Central Sierra. We've entered more than half of the 300 pre/post workshop paired surveys. We attract owners of forest, shrub, and range lands as well as staff of state and local agencies, and consultants.

Goals for Graduate Student Researcher job:

- **Data entry:** Pair surveys, enter hand-written surveys into GoogleSheets, QA/QC data entries. *Estimated time: 10 to 40 hours.*
- **Analysis:** Write reproducible code in R to download data, analyze Likert answers, and communicate results with R Notebook or similar tool. *Estimated time: Up to 150 hours.* Potentially analyze written answers as well. *Estimated time: Up to 100 hours.*
- **Writing:** Potentially assist writing journal publication prescribed fire on private lands. *Estimated time: Up to 400 hours.*
- **Extension:** Write [Joint Fire Science Graduate Student in Research grant proposal](#) (up to 25k, and Due Sept 30, 2020 / Sept 30, 2021) to resurvey participants or others to describe the social and ecological challenges and successes of burning on private lands. Funds could be used for contacting or visiting participants, and additional graduate student researcher salary.

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