

# Fisher Ankney

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## Education

**M.S. STATISTICS** (*IN PROGRESS*) | OKLAHOMA STATE UNIVERSITY 2018 - 2020  
**B.S. GEOLOGY** | COLORADO STATE UNIVERSITY | C. GEOPHYSICS 2012 - 2016

## Experience

**GRADUATE TEACHING ASSISTANT** | OKLAHOMA STATE UNIVERSITY 2018 - PRESENT

- Communicate technical knowledge to an often-non-technical audience.
- Cultivate a strong knowledge in the fundamentals of statistics.

**SCIENCE TECHNICIAN** | UNITED STATES GEOLOGICAL SURVEY 2015 - 2017

- Conduct applied research on riparian ecosystems throughout the western United States, including experiment design, and data collection.
- Daily use of R, and industry specific statistical software to model and visualize statistical phenomena between tree-rings, climate, and hydrogeology.
- Complete investigations by publishing statistical model, tables, figures, experiment methodology, and conclusions in peer-reviewed scientific articles (two second-author publications).

**LABORATORY TECHNICIAN** | UNITED STATES GEOLOGICAL SURVEY 2013 - 2015

- Conduct independent, multi-day fieldwork assignments across the western United States.
- Adhere to laboratory policies and scientific methodology while digitizing data, and running quality assurance testing.

## Skills

### COMPUTATIONAL

R (data management, tidying, modeling, EDA, report generation, interactive visualizations, spatial analysis, and much more), Python (NumPy, SciPy, Pandas, Matplotlib, and more), MySQL, SAS, Bash, Git, GitHub (@fisherra), HTML, CSS, SASS, Jekyll, MacOS, Windows, Linux.

### ANALYTICAL

Probability Theory, Mathematical Inference, Experimental Statistics / Hypothesis Testing, Regression Analysis, Linear Algebra, Multivariable Calculus, Differential Equations, Computational Geodynamics and Deep Earth Seismology, Research in Dendrochronology and Hydrology with publications.