FRANCES LIN

💻 EXPERIENCE, RELEVANT

2021 | Current

PhD Student Researcher
Oregon State University   📍 Corvallis, OR
- Adapt code to extract, transform, and pre-process data from various sources (USFS, USDA, PRISM Climate Group) and formats (shape / vector files, raster files)
- Review existing literature about statistical techniques, Bayesian methods and machine learning algorithms (Gaussian processes, nearest neighbors, random forests) for large-scale spatial data

2021 | Current

Statistical Consultant
Oregon State University   📍 Corvallis, OR
- Provide consulting services in areas ranging from statistical modeling (ANOVA, hierarchical occupancy / detection model), statistical software, study design to data manipulation and visualization to graduate student researchers from various departments

2020 | Current

Graduate Teaching Assistant
Oregon State University   📍 Corvallis, OR
- Conduct weekly lab or recitation, teach R programming, hold office hours, and grade exams and assignments for graduate and undergraduate courses such as data analysis methods I (hypothesis testing), II (regression analysis), mathematical statistics, statistical methods, and statistics for engineers

🎓 EDUCATION

2021 | Current

Oregon State University
PhD in Statistics   📍 Corvallis, OR

2019 | 2021

Oregon State University
MS in Statistics   📍 Corvallis, OR

Master's Project: Prequel to Hawkes Processes: An Overview of Spatial, Temporal and Spatio-Temporal Point Processes and Some Simulations

Activities and Societies: American Statistical Association (ASA)

2014

University of Washington
BS in Earth and Space Sciences   📍 Seattle, WA

CONTACT INFO

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SKILLS

Experience in statistical modeling, optimization methods, data analysis

Skilled in R, Python, GitHub

Experience working with large (~ 35.26 GB) dataset using GCP (Google Cloud Platform) services, PySpark / Apache Spark

COURSEWORK

Relevant coursework in
- Statistical Methods,
- Statistical / Machine Learning,
- Generalized Linear Models,
- Simulation Methods,
- Bayesian Statistics,
- Multivariate Analysis,
- Time Series,
- Big Data,
- Design of Experiments,
- Probability Theory

*This resume was made with the R package **pagedown**.*

Last updated on 2022-10-03.