

Marcela Alfaro Córdoba, Ph.D

Teaching Assistant Professor

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UC SANTA CRUZ

- ❑ Statistics and Data Science Education
- ❑ Multidisciplinary Collaborations
- ❑ Applied Statistics - Functional Data Analysis, Spatiotemporal Modeling, Design of Experiments, etc.
- ❑ UseR!, R-ladies, and The Carpentries
- ❑ Open and Reproducible Science

# What is a Teaching Assistant Professor?



- Also known as **LPSOE** (Lecturer with Potential for Security of Employment).
- Emphasis on **Teaching**, **Professional** Achievement and Activity, and University and Public **Service**.
- I'll be teaching STAT 05 (lower division Statistics class) next quarter, and then a couple of upper division classes during Fall 2021.

# Teaching

- My goal is becoming a mentor for **undergrad** students interested in studying statistics or data science, and for **graduate** students interested in careers in statistics education.
- I'll be teaching upper and lower division classes. If I am lucky, I'll have you as a TA in my class.

# Professional Activity

- My professional activities are **collaborations** as an applied statistician with researchers in areas such as atmospheric sciences, computer science, biophysics, chemistry, etc.
- Some of my projects are: Statistical Emulators for Climate Data, Functional Data Analysis (FDA) for Spectrophotometry Data, among others.

# Service

- Some organizations I am actively involved in right now:
  - [CODATA - RDA Schools for Research Data Science](#)
  - [UseR! 2021](#)
  - [R-Ladies](#)
  - [DataFest 2021 - UCLA](#)
  - [The Carpentries](#)
- If you want to know more about any of these activities, please don't hesitate to contact me.

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