

Lecture 1

STAT 109: Introductory Biostatistics

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Agenda:

Introducing...

- The instructor: Dr. Rosanna Overholser & students
 - The course, STAT 109
 - The content, statistical methods
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The instructor: Dr. Rosanna Overholser

I'm from Bakersfield and have earned several degrees from institutions of higher ed in CA:

- AS in math from Bakersfield College,
- BS in math from Cal Poly SLO,
- MS and Ph.D in math from UC San Diego

I have 5 years of experience as a statistical consultant:

- Supporting healthcare researchers through the UCSD Clinical and Translational Research Institute
- Supporting Ph.D students and external researchers at Ghent University in Belgium
- Supporting researchers studying strokes in Sweden

I taught statistics and math for 1 year at the University of Toronto, Mississauga.

I taught statistics, math and data science at Oregon Tech for 5 years.

I moved to back to CA and started teaching at Cal Poly Humboldt in 2022!

The Students

Please fill out a card with:

- Your name (and preferred name if different)
- Your major
- Your hometown
- The name of a song (and artist if possible) that would make you feel calm and happy if it were playing when you walked into class
- A sketch of yourself

Please form a team with 3-4 students: fill out one card per team with the following info:

- Name of your team
 - Names of the team members
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The content, elementary statistics

What is **Statistics**?

Five steps in the statistical process:

Activity: On a card...

What questions are you interested in answering?

These could be about anything, e.g. how much salt does a person need in their diet? Is it better to study in a group or individually? Does flossing twice a day cause fewer cavities than just once?