

Johanna Jansen

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EDUCATION

UC Santa Barbara

BS, Statistics and Data Science

Sep 2022 - Jun 2026

- **Achievements:** Dean's Honors, PALiISaDS Scholarship

- **Coursework:** Stochastic Processes, Probability and Statistics, Regression Analysis, Linear Algebra, Vector Calculus, Data Science Concepts and Analysis, Statistical Modelling, Time Series, Machine Learning

PROFESSIONAL EXPERIENCE

USC Alzheimer's Therapeutic Research Institute

Jun 2025 - Aug 2025

San Diego

Biostatistics Research Intern

- Conducted comprehensive analysis of clinical trial dataset containing 20,000+ individuals, extracting insights and measuring key demographic trends to support research objectives
- Utilized R for hypothesis testing, data preparation, and statistical modeling to ensure robust analysis
- Contributed to biostatistics research in understanding underrepresented groups in Alzheimer's pre-clinical trials
- Optimized inclusive recruitment and retention strategies for AD clinical trials through data-driven methods

Daily Nexus

Data Analyst

Oct 2024 - Present

Santa Barbara

- Collected and analyzed data with Python and SQL for data cleaning and exploratory modeling
- Create interesting, data-driven content for the student-run newspaper
- Design compelling data visualizations using Tableau, Datawrapper, and Canva to communicate complex findings
- Interpret complicated data for accessibility of non-scientific readers

Soojin Yi Lab

Data Science Researcher

Dec 2025 - Present

Santa Barbara

- Analyze sequence composition to understand biological diversity utilizing R and Python
- Utilize dynamic programming to analyze and map the DNA sequences of 117 species
- Investigate DNA methylation and functional differences in invertebrate animals

UC Santa Barbara - PSTAT and Computer Science Department

Sep 2025 - Present

Santa Barbara

Undergraduate Learning Assistant

- Hold office hours for 250+ students, clearly communicating complex technical concepts
- Aid students in understanding course material, simplifying technical material and demonstrating strong communication skills
- Provide assistance and support to professor and students during lecture
- Lead tutoring sessions and discussion sections

UC Santa Barbara - PSTAT Department

Feb 2026 - Present

Santa Barbara

Assistant Statistics & Data Science Program Coordinator

- Designed and developed the department's scholarship website, improving accessibility of program and application information
- Organized and maintained structured event records, inventories, and administrative datasets for efficient planning and reporting
- Created marketing and outreach materials using Canva and Adobe Suite to support student engagement and program visibility
- Coordinated logistics and operations for student programs through managing timelines, vendor communication, and resource allocation across multiple events

SB Creative Lab

Mar 2025 - Jun 2025

Santa Barbara

UI/UX Designer

- Developed mobile application for Blender's smoothie chain by integrating customer data insights to enhance user experience and inform product strategy
- Research, gather data on customers needs and behaviors for Blender's and other food service apps
- Advance interpersonal and communication skills in a group setting
- Utilized Figma to design an efficient and accessible platform

SKILLS

- **Programming Languages & Tools:** R, Python, SQL, C++, Java, Tableau, Datawrapper, Canva

- **Data Analysis & Statistical Modeling:** Hypothesis Testing, Statistical Analysis, Clinical Trial Data Analysis

- **Communication & Collaboration:** Oral and Written Communication, Team Collaboration, Teaching and Mentoring