

# Lisa Levoir

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Leveraging critical thinking and empathy, Lisa brings a unique blend of data analytics, biomedical domain knowledge, and communication skills to her work as a collaborative biostatistician. She is a consistent high performer who enjoys working on complex problems and delivering high quality results. Lisa prides herself on her integrity and approaches client interactions in an adaptable and solution-focused manner.

## RESEARCH AND WORK EXPERIENCE

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### Graduate Research Assistant

*Vanderbilt University Medical Center, Department of Biostatistics, Nashville, TN*

August 2024 – present

Work conducted remotely from Minneapolis, MN

- Conduct data and geospatial analyses of juvenile case reporting and social determinants of outcomes for stakeholders in the TN Department for Children's Services and the Vanderbilt Center of Excellence for Children in State Custody.
- Communicate technical statistical ideas to non-statisticians; understand and respond to client needs.

### CLOVERS Project Analyst

*Vanderbilt University Medical Center, Department of Biostatistics, Nashville, TN*

2023 – 2024

- Analyzed retrospective trial data nested within a two-phase enrichment study design from the CLOVERS clinical trial which enrolled patients with sepsis to compare fluid resuscitation strategies. This secondary analysis pertained to biomarkers of endothelial glycocalyx degradation and resulted in a publication.
- Collaborated with investigators at Massachusetts General Hospital, Beth Israel Deaconess Medical Center, and Harvard Medical School.

### Clinical Research Coordinator (Contract)

*Evolve Restorative Center, Santa Rosa, CA*

2022

- Ensured data integrity for a neuromodulation device clinical study by coordinating with physicians, study sponsors, and patients onsite.
- Resolved hundreds of data quality and clarification requests by referencing case report forms (CRFs).

### Lab Manager / Research Technician II

*Fred Hutchinson Cancer Center - Vaccine and Infectious Disease Division, Seattle, WA*

2019 – 2022

- Onboarded and trained rotation students (5) and undergraduate student (1); contributed to their research projects.
- Established the infrastructure for single B cell transcriptomics for antibody discovery in collaboration with postdoc and optimized pipeline for high-throughput antibody production and characterization following selection via a Bayesian phylogenetic Markov Model.

### Research Technician, HIV Vaccine Trials Network (HVTN)

*Fred Hutchinson Cancer Center - Vaccine and Infectious Disease Division, Seattle, WA*

2017 – 2019

- Independently analyzed and interpreted data; composed study plans and final study reports to share findings for HIV, malaria, and Ebola vaccine clinical trials.
- Consistently performed to high standards in a GCLP regulated high-throughput team environment.
- Performed assay development for the detection of antigen-specific T cell responses. Responsible for procedure development, literature consultation, study plan preparation, and analysis in JMP.

### Student Fellow/Worker, Minnesota Department of Health

*Public Health Labs - Virology Unit, St. Paul, MN*

2016 – 2017

## EDUCATION

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<b>MS Biostatistics</b> <i>Vanderbilt University, Nashville, TN</i>	Graduation May 2025
Thesis: Evaluation of Machine Learning Approaches for Assessing Heterogeneity of Treatment Effect in Clinical Trials	
<b>BA Biology</b> <i>Macalester College, St. Paul, MN</i>	2017
<i>Minor:</i> Geography; <i>Concentration:</i> Community & Global Health	
Studied Community Public Health at Khon Kaen University in Thailand	2016

## RELEVANT SKILLS

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**Programming and Technical:** R (advanced), GIS and geocoding (advanced), GitHub & version control (intermediate) LaTeX (intermediate), JMP from the SAS Institute (intermediate), Stata (intermediate)

**Statistical:** Multivariable Regression Modeling, Hypothesis Testing, Survival Analysis, Handling Missing Data and Multiple Imputation, Machine Learning, Linear and Logistic Regression, Data Management & Organization, Study Design and Analysis, Sample Size Calculation

**Other:** Stakeholder Engagement, Customer Service & Problem-Solving, Statistical Modeling, Data Visualization, Cross-Functional Collaboration, Student/Career Mentorship, Effective Communication

## HONORS, SERVICE, AND AWARDS

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**Commodore Award in Biostatistics, Vanderbilt University** 2024  
Awarded to one student per year for enriching the department and/or graduate program through ingenuity, dedication, and altruism.

**Student Travel Award, ASA Women in Statistics and Data Science Conference** 2024

**Vice President, Biostatistics Graduate Student Association (BGSA)** 2024 – present

- Initiated a new seminar series, Fireside Chats, where students learn about the “unwritten curriculum” of graduate school and professional development.
- Worked closely with BGSA President and Secretary to advocate for students and host events to foster their development.

**Board Member & Outreach Chair, BGSA** 2023 – 2024

**Russell G. Hamilton Scholar, Vanderbilt University** 2022  
One of two recipients of the University Graduate Fellowship, an additional funding award.

**Educational Outreach Committee Co-Chair, Hutch United** 2019 – 2022

- Coordinated scientific education and outreach activities for local high school and community college students. Collaborated among institutional stakeholders to host events including career seminars and networking lunches.

**Taylor Public Health Fellowship, Macalester College Biology Department** 2016