

Sujing Zhang

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EDUCATION

University of Washington

M.S. in Biostatistics

Seattle, WA

Sept. 2022 - Mar. 2024

University of Iowa

B.S. in Statistics / B.A. in Mathematics

Iowa City, IA

Aug. 2018 - Dec. 2021

SKILLS

Computer skills: R, SAS, SQL, Python

SAS Procedures: Compare, Format, Freq, Means, Summary, Univariate, Import/Export, Lifetest, Phreg, Logistic, Mixed, SQL, Sort, Transpose, Report, gplot, sgplot, template, sgrender

EXPERIENCE

Fred Hutchinson Cancer Center | *Research Assistant, Seattle, WA*

Jun. 2023 - Aug. 2023

- Integrated multiple clinical datasets with merging (one-to-one, one-to-many) within SAS data step and **proc sql** step (many-to-many, left join, right join, inner join) for preprocessing and descriptive analysis.
- Utilized **SAS macros** to generate multiple safety tables including demographic tables and adverse events tables by performing **proc freq**, **proc means** and **proc report** process.
- Created SAS programs to transform raw data into analysis-ready datasets, implementing data manipulation operations such as **import**, **set**, **merge**, and **sort**.
- Conducted neurosyphilis related **survival analysis**, employing Kaplan-Meier methods using **proc lifetest** and Cox proportional hazard model using **proc phreg** to examine time-to-event data.
- Applied logistic regression models by **proc logistic** to identify correlations between neurosyphilis safety values and potential risk factors, enriching the study's findings with detailed statistical graphics (box plots, forest plots, KM curves, scatter plots) using **proc sgrender**, **proc template** and **proc sgplot**.

China Agricultural University | *Research Assistant, Beijing, China*

Sept. 2021 - Dec. 2021

- Generated and presented data visualizations using **ggplot** for floriculture genomic datasets, contributing to the discovery of critical genetic markers and patterns.
- Collaborated with the Head Professor and PhD students, streamlining documentation processes and enhancing data collection methodologies, resulting in a 20% increase in research efficiency.

PROJECTS

Well-child Visits and Vaccine Coverage in a Seattle Health Center

Oct. 2023 - Mar. 2024

- Led the creation of a retrospective cohort study to analyze the attendance of well-child visits and vaccinations among 2,500+ pediatric patients, focusing on demographic disparities.
- Executed data cleaning and processing, ensuring the integrity and reliability of the study's dataset.
- Developed and implemented a statistical analysis plan, utilizing **glm** for modified univariate and multivariate Poisson regression, identifying key factors (race, insurance status, and location) that influenced health outcomes.
- Visualized findings through 200+ summary tables and forest plots using **forester**, improving understanding of key health metrics by 30%.

Financial Support for Families of Pediatric Oncology Patients

Apr. 2023 - Jun. 2023

- Designed a **Phase IIb** randomized clinical trial blueprint aimed at evaluating the feasibility and impact of cash and resource assistance interventions on caregiver stress among 100 low-income families with newly diagnosed pediatric cancer patients.
- Formulated primary and secondary analysis plans that incorporated **ANCOVA** and **Cox proportional hazards** models, aimed at providing detailed insights into intervention efficacy and guiding future research directions in pediatric oncology care.