Yoo Kyung Kim

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# Education

**MPH** Loma Linda University, concentration in Biostatistics Mar 2017

Research Title: Risk Factors for Fatal Coronary Heart Disease and Fatal Stroke in the Adventist Health Study-1 using a Competing Risk Model

Advisor: Dr. David Shavlik

**BS** California State University, East Bay Sep 2014

Double major in Biological Sciences (Cell and Molecular Option) and Statistics

Minor in Chemistry

# Professional Experience

**University of California, Los Angeles**, Los Angeles, CA Jan 2020 to present

**Statistician**, Radiological Sciences Department

* Responsible for all aspects of quality control of the dataset generated by the Integrated Diagnostics (IDx) project, a joint venture between the Departments of Radiological Sciences and Pathology, within the Department of Radiology.
* Working on data management, data quality checks, and data transfer of the IDx clinical data for all the organs (prostate, lung, and kidney) to ensure data integrity and validity using STATA, R, and/or python codes.
* Working with data requestors to ensure all data elements are delivered for their projects as well.
* Working collaboratively with database management team and clinical team to ensure all clinical data are captured accurately.

**MedQIA, LLC**, Los Angeles, CA Sep 2017 to Jan 2020

**Statistician**

* Directly responsible for developing the quality check system and performing data validation checks for various clinical trials with sponsors in the pharmaceutical industry.
* Worked collaboratively with radiologists, image analysts, and software engineers to make sure data is collected and managed clearly and accurately.
* Prepared, managed, and QC of quantitative imaging data for routine data transfers to sponsors.
* Developed data quality check systems for various clinical trial studies using STATA/SAS.
* Reported data collection process and QC results by presenting graphs and tables to colleagues in a weekly meeting.
* Learned about the radiological disease assessments (Lugano 2014 criteria, RECIST 1.1, mRECIST for HCC) by reading published papers.
* Obatined working knowledge of Good Clinical Practices, related regulatory requirements, and clinical trial terminology as well as experience with clinical database applications such as CTMS.

**Research Consulting Group**, Loma Linda, CA Oct 2016 to Jun 2017

**Research Analyst**

* Directly responsible for consulting, analyzing, and reporting statistical data for various projects.
* Performed various data analyses using SAS 9.4 and R studio, constructed tables and graphs, and wrote results for clients.
* Participated in meetings and presented results of analyses to clients.

**Loma Linda University**, Loma Linda, CA Sep 2016 to Mar 2017

**Graduate Teaching Assistant,** School of Public Health

* Assisted instructors with teaching activities including class or lab preparation, grading, and interacting with students.
* Assisted students with weekly assignments during lab hours. STAT 548 (Analytical Application of SAS).
* Conducted short recap of the lectures to students, graded lab and homework assignments, and reported students’ progress to the professor. STAT 522 (Biostatistics II).

# Research Experience

**University of California, Los Angeles**, Los Angeles, CA 2021

* Performed Cramer-von Mises analyses comparing the location of prostate lesions between several sub-groups utilizing R Studio
* Conducted literature review in spatial comparison between two population
* Prepared and presented research to lead biostatistician and peers

**Loma Linda University**, Loma Linda, CA 2017

Advisor: Dr. David Shavlik

* Performed survival analyses to evaluate the effect of adding more covariates, extending length of study by six years, using a competing risk model and using multiple imputations utilizing SAS 9.4. Used Dataset, Adventist Health Study-1, of 33,000 subjects.
* Conducted literature review in competing risk and effect in analyses.
* Prepared and presented research to the school of public health faculty members and peers.

**Loma Linda University**, Loma Linda, CA 2016 to 2017

**Graduate Research Assistant**

* Supported School of Behavioral Health admission faculty in evaluating admission criteria, data entry, and data analyses to evaluate admission criteria.
* Delivered and organized research presentations for weekly research meeting to discuss project progress.
* Conducted literature review in admission criteria assessment.

**Loma Linda University Asthma Center**, Loma Linda, CA 2016 to 2017

**Graduate Student Assistant**

* Performed research and development experiments and literature review in children’s respiratory health.
* Performed data analyses using SAS 9.4 and developed tables for the manuscript.
* Drafted manuscript for publication, including introduction, methods, results, and discussion sections.

# Community Service

**Joy Riverside Church**

Administrative Assistant, Riverside, CA, May 2018 to present

**KSEA-KWiSE STEM Fair**

Volunteer to assist in robotics STEM lab for students in grades 4-7, Santa Monica, CA, December 2018

**Epi/Biostat Club**

Secretary, Loma Linda, CA, Apr 2016 to Mar 2017

# Languages

**English**: Advanced Listener, Speaker, Reading, and Writing

**Korean**: Native Language.

# Skills

* **STATA**
* **SAS**
* **R/R STUDIO**
* **SPSS**
* **MINITAB**
* **Python**