

Sarkis Der Wartanian

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HIGHLIGHTS OF QUALIFICATION

Statistical Data Analysis & Forecasting Skills, Qualitative & Quantitative Data Analysis, Geospatial Analysis, Data Science, Machine Learning, Artificial Intelligence, Applied Statistics to Clinical Research, and Fluent in English, Armenian, Arabic & French.

EDUCATION

Ph.D. in Statistics and Applied Probability 2022-present

Department of Statistics and Applied Probability
University of California, Santa Barbara

Masters in Statistics 2019-2021

Dissertation: Covid-19 Data Modeling Using Queueing Theory
Lebanese University Faculty of Science

Bachelor of Applied Mathematics - Statistics 2016-2019

Graduated with Honors: GPA: 3.67/4.0
Lebanese University Faculty of Science

PUBLICATIONS

Manuscript (In Preparation): Der Wartanian, S. (2023). Optimization of COVID-19 Vaccination Process Using Queueing Theory.

WORK EXPERIENCE

UCSB. Sept-2022 – present.

Santa Barbara - Teaching Assistant

PSTAT 175: Survival Analysis and its applications on RStudio.
PSTAT 5A: Understand Data.

Wireless 20/20. Aug-2021 – Sept-2022

New York - Data Scientist

Geospatial Analysis using various GIS software.
Statistical analysis of data using various statistical programs.
Communicate results to non-statisticians.

Tutoring. 2018- 2021

Online tutoring for **graduate students**.

Fields: Applied Statistics, Probability, Biostatistics, Algebra & Calculus.

TECHNICAL PROFICIENCIES

- **Academic Software:** RStudio, SAS, Python, SPSS, LISREL, STATA, MATLAB, SmartPLS, LaTeX, Power BI.
- **GIS Software:** QGIS, Google Earth Pro., ArcGIS Pro.

PROJECTS

- **RStudio:** Covid-19 Vaccination process using queueing theory.
- **Python:** Running Grass and SAGA libraries from QGIS on python to calculate fiber miles in various US states.
- **PostgreSQL:** Transforming data into the database and employing data to become readily usable.

VOLUNTEER AND EXTRACURRICULAR EXPERIENCE

- Career Guidance Armenian Prelacy of Lebanon 2019-2020-2021 Guiding high school students in their decisions for future careers.

References are available upon request.