

## **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. (2022).** Optimization of COVID-19 Vaccination Process Using Queueing Theory.

### **WORK EXPERIENCE**

#### **UCSB. Sept-2022 – present.**

##### **Santa Barbara - Teaching Assistant**

Survival Analysis and its applications on RStudio.

#### **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.**