

# Phillip T. Sundin

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## PROFESSIONAL EXPERIENCE

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### **Biostatistics Graduate Student Researcher**, Los Angeles, CA

Statistical Consultant, July 2016 – present

- Support academic research projects by providing statistical work using R, SAS, and STATA; conducting statistical analysis by fitting and interpreting generalized linear mixed models (GLMMs), generalized estimating equations (GEEs), linear regression and ANOVA, and trial randomization schemes; analyses are conducted both on real health data and simulated data
- Fit multistate models and time series techniques (ARIMA models) to clinical trial information to identify effects of a clinic-level intervention for increasing HPV vaccinations
- Work with cross-functional teams at the University of Stellenbosch in Cape Town, South Africa, to provide statistical analysis on global health topics such as trauma, parental mental health, and violence's impact on child development
- Collaborated with public health researchers on a PCORI-funded clinical trial to analyze electronic health record (EHR) data from 25,000 patients, using statistical methods, data mining, and data management techniques
- Analyzed data for class using machine learning techniques, including random forests, gradient boosting machines, and support vector machines

### **Deloitte Consulting, LLP**, Pittsburgh, PA

Management Consultant, Strategy and Operations, August 2014 – March 2016

- Provided analysis and insights for a client's business portfolio, resulting in a \$100M savings over a five-year period for a national healthcare provider
- Developed multiple Excel tools for clients to analyze call center information, resulting in re-organization of human resources to decrease call wait time by 50%
- Contributed to large-scale organizational strategy projects in varying roles with exposure to multiple clients, including a Fortune 100 pharmaceutical company, a large national healthcare provider, and a community hospital
- Created and sustained successful Excel, PowerPoint, Tableau, and Visio deliverables based on client needs and project goals

### **Biostatistics Teaching Assistant**, Los Angeles, CA

- Teaching assistant for Introduction to Biostatistics, Summer '16 and Summer '18. Can provide student reviews upon request

## EDUCATION

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### **University of California, Los Angeles (UCLA)**

July 2016 to present

**PhD Candidate in Biostatistics; GPA: 3.61/4.0**

### **Pennsylvania State University, Schreyer Honors College, University Park, PA**

Bachelor of Science May 2014

**Major:** Industrial Engineering; **GPA:** 3.88/4.0

## PUBLICATIONS

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“Child behaviour and exposure to violence in the home: Evidence from a rural Kenyan sample,” Global Public Health, 2019.

“Why do Entrepreneurial mHealth Ventures in the Developing World Fail to Scale?” Journal Of Medical Engineering & Technology, Vol. 40, Issue 7-8, 2016.

“Designing Sustainable Revenue Models for CHW-Centric Entrepreneurial Ventures,” Global Humanitarian Technology Conference (GHTC), 2014 IEEE, 687-693, 10 October 2014.

## RELEVANT COURSEWORK

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Multivariate Statistics, Linear/Logistic Regression and Generalized Linear Models; Clinical Trial Design; Power and Sample Size Calculations; Longitudinal Analysis Simulation Techniques; Survival Analysis; Causal Inference; Classification and Regression Tree (CART) Analysis; Mathematical Statistics; Optimization Methods; Linear Modeling; Biostatistics Theoretical Methods

## SERVICE, SKILLS & INTERESTS

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**Community Service:** First United Methodist Church Volunteer (2016 to present) | United Way Deloitte (2014-2016)

**Technical Skills:** R | Stata | SAS | Microsoft Excel and Visio | Python | Microsoft PowerPoint | Minitab

**Interests:** Clinical Trial Design | Longitudinal Data | Cluster Randomized Trials | Mental Health | Travel