# SHAMIN SAHEBZADA MS, BS

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Experienced researcher with strong presentation skills and problem-solving abilities aiming to pivot careers towards consulting; highly motivated to develop business-acumen and client relationship skills

## PROFESSIONAL EXPERIENCE

***Research Coordinator*, Columbia University, Breast Cancer Family Registry** (New York, NY) 2017-2020

- Actively tracked and maintained Breast and Ovarian Cancer registry of over 8,000 high-risk families that were followed for decades with the goal of improving cancer prevention, detection, and treatment
- Updated and improved follow-up **questionnaires/surveys** and researched new questionnaire constructs, which were coded into **Qualtrics web surveys** leading to improved cohort retention
- Assisted participant **recruiting** efforts and ensured cohort follow-up and return of surveys by conducting phone interviews, emailing, creating newsletters, and **organizing community outreach events**
- Utilized **SAS** to **clean**, **operationalize**, and **verify the integrity of data** from one of the largest family-based cohorts in the US, as well as other **real-world data sources (SEER, NHANES, EPA, CDC, WHO, IARC)**
- Built multivariable **regression models** aimed at understanding the **interactions** between a given risk factor and risk-predicting scores on breast cancer risk

***Researcher*, Stony Brook University, Sustainability Studies Ecotoxicology Lab** (Stony Brook, NY) 2013-2016

- Designed experiments, **created budgets**, and **led a team** of 40 undergraduates to guarantee safe and proper execution of eight projects investigating the effects of herbicides and heavy metals on soil health
- Used **R statistical programming** to run **t-test**, **ANOVA**, and **linear regression** analyses on lab datasets
- **Presented** 14 posters at multiple conferences over three years and was **awarded** Stony Brook's Undergraduate Researcher of the Month

## EDUCATION

**PhD, Epidemiology, Columbia University** (New York, NY) 2018-TBD

- Activities: NYC Cancer Prevention Conference, Private Tutor

**MS, Epidemiology, Columbia University** (New York, NY) 2016-2018

- Activities: Future Healthcare Leaders

**BS, Biology, Stony Brook University** (Stony Brook, NY) 2013-2016

- Departmental Honors, *cum laude*, Activities: Ecoleader, Writing Tutor, Teaching Assistant

## TEACHING EXPERIENCE

***Graduate Teaching Assistant*, Columbia University** (New York, NY) Fall 2018

- Applied Epidemiologic Analysis – Instructed weekly labs for 30 students on implementing advanced statistical techniques in **SAS** using **real-world datasets** to develop models and critically evaluate results
- Molecular Epidemiology – Instructed students in one-on-one sessions, graded labs, and met with professor weekly to make decisions aimed at improving course content and student performance

***Mentor*, Columbia University, NCI CURE Program** (New York, NY) 2017-2018

- Developed and oversaw eight-week summer program designed to teach the fundamentals of epidemiology, study design, participant recruiting and follow-up, and systematic literature reviews to high school students from underserved communities.

***Writing Tutor*, Stony Brook University** (Stony Brook, NY) 2015-2016

- Instructed undergraduate/graduate students on developing strong argument-based essays that emphasize rhetorical devices, logical organization, and brevity using a top-down approach

## SKILLS

### Epidemiological Methods

- Study Design & Data Collection
- Recruiting & Follow-up
- Survey Design & Implementation

### Statistical Methods

- Data Visualization/Storytelling
- Regression Modeling (Linear, Logistic, Cox, & Poisson)
- Hypothesis Testing

### Programming

- SAS
- R/R-Studio
- Python (NumPy, Pandas, Matplotlib, Seaborn, Plotly)

## PUBLICATIONS

Zeinomar N, Oskar S, Kehm RD, **Sahebzada S**, Terry MB. Environmental exposures and breast cancer risk in the context of underlying susceptibility: A systematic review of the epidemiological literature. Environmental Research (2020); https://doi.org/10.1016/j.envres.2020.109346.