

Abigail Sedory, PhD

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EDUCATION

Doctor of Philosophy (PhD) in Public Health, Biostatistics

May 2020

UTHealth School of Public Health

Houston, Texas

- ◆ Minor in Health Economics
- ◆ Breadth in Bioinformatics and Genomics

Relevant coursework:

- *Introduction to Data Science*
- *Stochastic Processes*
- *Health Economics*
- *Statistical Methods in Correlated Outcomes*
- *Econometrics in Public Health*
- *Methods for Economic Evaluation*

Master of Science (MS) in Public Health, Biostatistics

December 2016

UTHealth School of Public Health

Houston, Texas

- ◆ Minor in Health Promotion and Behavioral Science
- ◆ Thesis: "Interdependence in Parent-Youth Communication about Initiating Sex: A Dyadic Analysis"

Bachelor of Science (BS), Biology

December 2012

Southwestern University

Georgetown, Texas

- ◆ Minor in Mathematics

TEACHING EXPERIENCE

Assistant Professor of Instruction, NTT

August 2020-present

UTHealth School of Public Health

Houston, Texas

- ◆ Oversee all sections of PH 1690 Introduction to Biostatistics
- ◆ Develop and create course material and assessments for online sections
- ◆ Manage and direct PH 1690 Teaching Assistants

Adjunct Faculty

August 2019-August 2020

University of St. Thomas

Houston, Texas

- ◆ Taught an introductory Business statistics course for undergraduates
- ◆ Develop and create lecture material and assessments

Academic Tutor/Advisory board member

August 2016- August 2020

Houston Tutorial Association

Houston, Texas

- ◆ Assist and instruct students of various ages in all academic subjects (focused primarily on upper level mathematics)
- ◆ Lead advisor in statistics to develop and teach a summer "Kick-start to Statistics" course for high school students

Graduate Teaching Assistant in Biostatistics

January 2015–December 2016

UTHealth School of Public Health

Houston, Texas

- ◆ Collaborated with Professor to develop materials for Graduate-level Statistics course
- ◆ Provided supplemental instruction
- ◆ Emerson Award for Teaching Assistant nominee (2105, 2016)

Certified Mathematics Teacher/ Tennis Coach

Kingsville Independent School District

January 2013-May 2014

Kingsville, Texas

Certifications: Texas State Board for Educator Certification (SBEC) for Mathematics 8-12, Texas SBEC for Early Childhood-Grade 12 Special Education (supplemental)

- ◆ Taught an intervention freshman Algebra class and Algebra 1 in a low income community
- ◆ Developed complete objective-based lesson plans
- ◆ Coached junior high and high school students how to play tennis

RESEARCH EXPERIENCE

Publications

- ◆ McMillan H, Barbon CEA, Cardoso R, **Sedory A**, Buoy S, Porche C, Savage K, Mayo L, Hutcheson KA. Manual Therapy for Patients With Radiation-Associated Trismus After Head and Neck Cancer. *JAMA Otolaryngol Head Neck Surg.* 2022;148(5):418–425. doi:10.1001/jamaoto.2022.0082

Doctoral Dissertation Research Project

May 2020

UT Health School of Public Health

Houston, Texas

- ◆ *Sample Size Analysis for Longitudinal Mediation Analysis with a Two-state Continuous-Time Markov Chain Outcome.*
 - To be submitted to Journal of Simulation
- ◆ *Sample Size Analysis for Longitudinal Mediation Analysis with a Two-state Continuous-Time Markov Chain Mediator.*
 - To be submitted to Journal of Simulation
- ◆ *Sample Size Analysis for Longitudinal Mediation Analysis with a Two-state Continuous-Time Markov Chain Mediator.*
 - To be submitted to Journal of Simulation

Pre-Doctoral Training Fellow

January 2017– May 2020

National Institute of General Medical Science/National Institute of Health

Houston, Texas

Training Program in Biostatistics

- ◆ *Using Smartphones to promote healthy behaviors among African American breast cancer survivors: A pilot study.*
 - Allicock M, Kendzor D, Sedory A, Gabriel K, Swartz M, Thomas P, Yudkin J, Rivers A. (22 April 2020). [A Pilot and Feasibility Mobile Health Intervention to Support Healthy Behaviors in African American Breast Cancer Survivors.](#) *Journal of Racial and Ethnic Health Disparities.*
 - Analyzed data from surveys and accelerometers
 - Provided all descriptive statistics and analyses of comparison between control and intervention groups

Masters' Thesis Research Project

Fall 2016

UT Health School of Public Health

Houston, Texas

Project: "It's Your Game: The Secret of Seven Stones" sexual health intervention aimed at adolescent youth

- ◆ *Interdependence in Parent-Youth Communication about Initiating Sex: A Dyadic Analysis.* To be submitted to Journal of Family Psychology
 - Conducted full descriptive and dyadic analysis on Parent-child communication about sex

SERVICE AND LEADERSHIP

Faculty Council Representative UTHealth School of Public Health	August 2023- present
Non-tenure Track Advisory Committee UTHealth School of Public Health, Faculty Council	August 2023- present
Quantitative/ Biostatistics Tutoring Supervisor UTHealth School of Public Health, Library Services	August 2021-present
Online Teaching Committee Member UTHealth School of Public Health, Department of Biostatistics and Data Science	August 2020-present
Education Committee Member UTHealth School of Public Health, Department of Biostatistics and Data Science	August 2020-present
Teaching quality and efficiency Committee Member UTHealth School of Public Health, Department of Biostatistics and Data Science	August 2020-present
Admissions Committee Member UTHealth School of Public Health, Department of Biostatistics and Data Science	August 2021-May 2022
Local Organizing Committee Member American Statistical Association, Houston Chapter	November 2018-August 2020
Academic Council Student Representative UTHealth School of Public Health, Student Association	August 2017- May 2018
School-Wide Curriculum Council Student Representative UTHealth School of Public Health, Student Association	August 2016- May 2017
Associate Director UTHealth School of Public Health, Student Association	August 2015- May 2016
Social Director UTHealth School of Public Health, Biostatistics Student Association	August 2014-January 2016

AWARDS

Teaching Innovation Award for AY2023-2024 UTHealth School of Public Health, Office of Instructional Design	August 2023
McGovern Outstanding Teaching Award UTHealth School of Public Health	May 2022

SKILLS AND COMPETENCIES

Computer

- ◆ SAS (intermediate), STATA (intermediate), R (intermediate)
- ◆ Microsoft Office: Word, PowerPoint, Excel