# 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**

**January 2013-May 2014** 

Kingsville Independent School District

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.
  - o 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
Training Program in Biostatistics
Houston, Texas

- 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). <u>A Pilot and Feasibility Mobile Health Intervention to Support Healthy Behaviors in African American Breast Cancer Survivors</u>. *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

**Online Teaching Committee Member** 

August 2020-present

UTHealth School of Public Health, Department of Biostatistics and Data Science

**Education Committee Member** 

August 2020-present

UTHealth School of Public Health, Department of Biostatistics and Data Science

**Teaching quality and efficiency Committee Member** 

August 2020-present

UTHealth School of Public Health, Department of Biostatistics and Data Science

**Faculty Council Representative** 

August 2023- September 2025

UTHealth School of Public Health

**Non-tenure Track Advisory Committee** 

August 2023- September 2025

UTHealth School of Public Health, Faculty Council

**Quantitative/ Biostatistics Tutoring Supervisor** 

**August 2021- July 2025** 

UTHealth School of Public Health, Library Services

**Admissions Committee Member** 

**August 2021-May 2022** 

UTHealth School of Public Health, Department of Biostatistics and Data Science

**Local Organizing Committee Member** 

November 2018-August 2020

American Statistical Association, Houston Chapter

**Academic Council Student Representative** 

August 2017- May 2018

UTHealth School of Public Health, Student Association

**School-Wide Curriculum Council Student Representative** 

August 2016- May 2017

UTHealth School of Public Health, Student Association

**Associate Director** 

August 2015- May 2016

UTHealth School of Public Health, Student Association

**Social Director** 

August 2014-January 2016

UTHealth School of Public Health, Biostatistics Student Association

# **AWARDS**

# John P. McGovern Outstanding Teaching Award

UTHealth School of Public Health

May 2025

# **Teaching Innovation Award for AY2023-2024**

UTHealth School of Public Health, Office of Instructional Design

August 2023

# John P. 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