

CURRICULUM VITAE
JESSICA GODWIN

Department of Statistics
University of Washington
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EDUCATION

UNIVERSITY OF WASHINGTON (UW)

Ph.D. in Statistics Expected 2020
Research advisors: Jon Wakefield
Dissertation: Estimating Mortality at the Subnational Level in a Low and Middle Income Countries Context

AUBURN UNIVERSITY (AU)

M.S. in Statistics August 2013
Research advisor: Nedret Billor
Thesis: The group lasso for functional logistic regression

B.S. in Actuarial Science, Summa Cum Laude May 2011

COMPUTING

Proficient in: R, C, STATA, SAS, ExtendSim8, Minitab, Excel

HONORS AND AWARDS

CSDE BIG DATA TO KNOWLEDGE FELLOWSHIP, UW 2017
CSDE TRAVEL AWARD, UW Spring 2016
MASTER'S THESIS AWARD, AU October 2014
Awarded to up to three Master's theses per year in Mathematics, Physical Sciences and Engineering

COSAM TRAVEL AWARD, AU Summer 2013
UNDERGRADUATE WORKSHOP: OBJECT DATA ANALYSIS, SAMSI Spring 2011
Applied, was accepted and provided with funding to attend

JOHN AND ROSEMARY BROWN SCHOLARSHIP, AU Spring 2010

Given to one male and one female junior and senior majoring in Mathematics

SOCIETY OF ACTUARIES P EXAM PASSED	May 2010
JOHN AND ROSEMARY BROWN SCHOLARSHIP, AU	Fall 2009
SOCIETY OF ACTUARIES FM EXAM PASSED	November 2009
MERIT SCHOLARSHIP, AU	2007-2011
SPIRIT OF AUBURN PRESIDENTIAL SCHOLARSHIP, AU	2007-2011

PUBLICATIONS

Godwin, J, Wakefield J (2020) “Space-Time Modeling of Child Mortality at the Admin-2 Level in a Low and Middle Income Countries Context”. *Statistics in Medicine. Under revision.*

Li Z, Hsiao Y, Martin BD, **Godwin, J**, Wakefield J, Clark SJ (2019) “Changes in the spatial distribution of under-five mortality rate: Small-area analysis of 122 DHS surveys in 262 subregions of 35 countries in Africa”. *PloS one* 14(1).

Wakefield J, Fuglstad GA, Riebler A, **Godwin, J**, Wilson K, Clark SJ (2018) “Estimating under-five mortality in space and time in a developing world context”. *Statistical Methods in Medical Research* (2018).

Sharrow, DJ, **Godwin, J**, He Y, Clark SJ, Raftery, AE (2018) “Probabilistic Population Projections for Countries with Generalized HIV/AIDS Epidemics”. *Population Studies* 72(1), 1-15.

Godwin, J, Raftery, AE (2017). “Bayesian Projections of Life Expectancy Accounting for the HIV/AIDS Epidemic”. *Demographic Research* 37, 1549-1610.

Wakefield J, Simpson D, **Godwin, J** (2016). “Comment: Getting into Space with a Weight Problem”. *Journal of the American Statistical Association* 111(515), 1111-1118.

Billor N, **Godwin, J** (2015). “Variable Selection for Functional Logistic Regression in fMRI Data Analysis”. *Turkiye Klinikleri Journal of Biostatistics* 7(1).

CONFERENCE APPEARANCES

PAA (POPULATION ASSOCIATION OF AMERICA)	April 2020
Oral presentation: Covariate Associations With Childhood Mortality in Sub-Saharan Africa Using Complex Survey Data	
Poster presentation: Subnational Estimation of Child Mortality at Older Ages in a Low and Middle Income Countries Context	
PAA (POPULATION ASSOCIATION OF AMERICA)	April 2019

Oral presentation: Small Area Estimation of Child Mortality at Admin-2 Level
PAA (POPULATION ASSOCIATION OF AMERICA) April 2017
Oral presentation: Probabilistic Projections of Mortality in Countries with Generalized HIV Epidemics for Use in Total Population Projection
PAA (POPULATION ASSOCIATION OF AMERICA) April 2016
Oral presentation: Bayesian Projections of Life Expectancy Accounting for HIV Prevalence for All Countries in the World
JSM (JOINT STATISTICAL MEETINGS) August 2015
Oral presentation: Bayesian Projections of Life Expectancy Accounting for HIV Prevalence for All Countries in the World
JSM (JOINT STATISTICAL MEETINGS) August 2013
Poster presentation: The Group Lasso for Functional Logistic Regression
SRCOS (SOUTHERN REGIONAL COUNCIL ON STATISTICS) June 2013
Poster presentation: The Group Lasso for Functional Logistic Regression

WORK EXPERIENCE

INSTRUCTOR, CSSS 505, University of Washington Winter 2020, 2018
Review of Mathematics for Social Scientists.
INSTRUCTOR, STAT 302, University of Washington Autumn 2019
Statistical programming in R and SAS.
INSTRUCTOR, Math Camp CSSS, University of Washington September 2016-2020
Review of Mathematics for Social Scientists and introduction to R and STATA.
PRE-DOCTORAL RESEARCHER MPI-Demographic Research Winter/Spring 2019
Digital and Computational Demography Lab. Subnational estimation of adolescent and young adult mortality in low and middle income countries.
Supervisor: Emilio Zagheni (zagheni@demogr.mpg.de)
TEACHING ASSISTANT SOC 504, University of Washington Autumn 2018
Intro to Statistics for Social Scientists. Grading, office hours.
Supervisor: Kyle Crowder (kylecrow@uw.edu)
TEACHING ASSISTANT STAT 529, University of Washington Spring 2018
Survey statistics. Writing & teaching labs, writing homeworks, grading, office hours.
Supervisor: Elena Erosheva (erosheva@uw.edu)
RESEARCH ASSISTANT, University of Washington July 2015-July 2017
Bayesian spatiotemporal estimation of under-five mortality.

Advisor: Jon Wakefield (jonno@uw.edu)

RESEARCH ASSISTANT, University of Washington June 2014-July 2015
 Bayesian hierarchical modeling of life expectancy in the presence of HIV.
 Advisor: Adrian Raftery (raftery@uw.edu)

TEACHING ASSISTANT, STAT 221, University of Washington 2013-2014
 Intro to Statistics for Social Scientists. Lecturing, grading, holding office hours.
 Supervisor: June Morita(june@uw.edu)

INSTRUCTOR, STAT 2510, Auburn University Fall 2012, Spring 2013
 Fall 2011, Spring 2012
 Intro to Statistics. Lecturing, lesson planning, writing exams, grading, holding office hours.
 Supervisor: Bertram Zinner (zinnebe@auburn.edu)

SPARTA, INC., Model and Simulation Systems Analyst Summer 2011, 2012
 Use simulation software and statistical methods to build a model of a cancer treatment facility to design an efficient hospital floor plan and optimize resource levels in order to minimize patient time in system.
 Supervisor: Jim Walsh (james.walsh@parsons.com)

SERVICE

WiBS 2017-Present
 University of Washington
 Founder and member of leadership of an organization in UW's Statistics and Biostatistics departments to create community for and provide extra support and resources to women and nonbinary students .

DIVERSITY COMMITTEE, January 2017-December 2018
 University of Washington, Department of Statistics

GRADUATE STUDENT REPRESENTATIVE, May 2015-May 2017
 University of Washington, Department of Statistics
 Plan all recruitment activities for prospective Ph.D. students, plan all orientation activities for incoming Ph.D./M.S., make student desk assignments.

STUDENT REPRESENTATIVE, ASA Puget Sound Chapter May 2015-August 2017
 Liaison between students and the officers of the local chapter of the American Statistical Association

SCIENCE OLYMPIAD, Auburn University 2011-2013
 Event judge middle school Science Olympiad meet held yearly at Auburn University.