



JESSICA L. GRAVES

jessica.lynn.graves@gmail.com | 713-416-3206
cargocollective.com/jessgraves

BACKGROUND

Biostatistician dedicated to producing quality research that leverages advanced statistical techniques to inform evidenced-based health care decisions.

EDUCATION

MS IN EPIDEMIOLOGY

University of Pittsburgh
2018 - 2020

MS IN BIOSTATISTICS

University of Pittsburgh
2016 - 2018

BA IN ANTHROPOLOGY

University of Texas
2007 - 2010

R PACKAGE

RAR: modelling rest-activity rhythms
github.com/JessLGraves/RAR

TECHNICAL SKILLS

APPLIED STATISTICAL EXPERTISE: Assessment of behavioral and health risk factors and their relationships with health using unsupervised learning, dimensionality reduction, generalized linear models, survival analysis, mixed models, and random forests and ensemble learning.

PROGRAMMING: Expert in R, proficient in SAS & STATA with working knowledge of Python.

EXPERIENCE

UNIVERSITY OF PITTSBURGH MEDICAL CENTER (UPMC)

Statistician

06/20 - present

Analyze features of sleep, substance use, and physiological measures of stress and their association with a variety of health outcomes in cross-sectional, longitudinal, and prospective cohort studies. Develop analysis reports and scholarly manuscripts. (PI: Meredith Wallace, PhD)

UPMC INTERNAL MEDICINE RESIDENCY PROGRAM

Statistical Consultant

06/20 - present

Provide guidance on study design, sample size, data collection and analyze and interpret study data from a variety of research projects, including: Incidence of hypotension (ATN trial); meta-analysis; survival analysis; patient adherence to telemedicine versus in-person visits.

CENTER FOR AGING AND POPULATION HEALTH, UNIVERSITY OF PITTSBURGH

Graduate student researcher

08/18 - 05/20

Developed physical activity data tracking protocol for the Study of Muscle Mobility and Aging. Received clinical impact award for analysis of physical activity and health in older adults. (PIs: Anne B. Newman, PhD and Nancy W. Glynn, PhD)

CENTER FOR OCCUPATIONAL BIOSTATISTICS AND EPIDEMIOLOGY, UNIVERSITY OF PITTSBURGH

Staff Biostatistician

03/17 - 12/18

Studied the association of occupational hazards with risk of death and disease. Prepared results for key community stakeholders and scientific publication. (PI: Gary M. Marsh, PhD)

SELECTED PUBLICATIONS & PRESENTATIONS

1. **Graves JL, ..., Glynn NW.** (2021) Profiles of Accelerometry-Derived Physical Activity are Related to Perceived Physical Fatigability in Older Adults. *Sensors*, 21 (5).
2. Kaufman EA, **Graves JL, ... Pedersen SL.** (2021) Associations between physiological and self-reported indices of emotion dysregulation across varying levels of alcohol use among individuals with and without borderline personality disorder. *Biological Psychology*, 108044.
3. **Graves JL, ..., Hall M.** (2019) RAR: A Rest-Activity Rhythm Data Analysis Package in R. Conference: Eastern North American Region (ENAR) international Biometric Society*

* Invited talk