JLG

JESSICA L. GRAVES

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jesslgraves.github.io

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 academic 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