JUNRUI DI

615 N. Wolfe Street E3039, Baltimore, MD 21205
510-809-5425 ⋄ jdi2@jhu.edu ⋄ https://junruidi.github.io

RESEARCH INTERESTS

Statistical methods for wearable devices, Functional data analysis, Physical activity assessment, mHealth

EDUCATION

Johns Hopkins Bloomberg School of Public Health Expected: *May 2019*
Ph.D, Biostatistics

Advisor: Vadim Zipunnikov, Ph.D.

Georgetown University *Dec 2013*
M.S., Biostatistics

Thesis: *Robust Integrative Analysis of Multi-Block Contaminated Datasets*

Advisor: Valeriy Korostyshevskiy, Ph.D.

University of California, Berkeley *May 2012*
B.A. Applied Mathematics

High Distinction General Scholarship (roughly equivalent to Magna Cum Laude)

EXPERIENCE

Research Assistant *Jun 2015 - Present*
Johns Hopkins Bloomberg School of Public Health *Baltimore, MD*

Supervisor: Vadim Zipunnikov, Ph.D.

Co-Investigator *May 2013 - Apr 2014*
Multicenter AIDS Cohort Study *Washington, DC*

Supervisor: Michael Plankey, Ph.D.

Research Assistant *Sep 2012 - May 2013*
Georgetown University *Washington, DC*

Supervisors: George Luta, Ph.D. and Valeriy Korostyshevskiy, Ph.D.

PUBLICATIONS

Published / In Press

1. **Di, J.**, Li, Y., Friedman, MR., Reddy, S., Surkan, PJ., Shoptaw, S., and Plankey, M.. "Determining Survey Satisficing of Online Longitudinal Survey Data in the Multicenter AIDS Cohort Study using a Group-Based Trajectory Analysis" *Journal of Medical Internet Research Public Health and Surveillance*. 2016; 2(2): e150.

Under Review / Revision

2. Zipunnikov, V., Dey, D., Leroux, A., **Di, J.**, Urbanek, J., Harris, T., and Crainiceanu, C..."Objectively measured late-morning physical activity predicts mortality in the NHANES 2003-2006 cohorts". Under Revision *PLoS One*.

3. Varma, V., Dey D., Leroux A., **Di, J.**, Urbanek, J., and Zipunnikov, V.. "Re-evaluating the effect of age on physical activity over the lifespan". Under Review *American Journal of Public Health.*

In Preparation

4. **Di, J.**, Leroux, A., Urbanek, J., Spira, A., Schrack, J., and Zipunnikov, V.. "Fragmentation of Daily Patterns of Physical Activity: a statistical framework and application". To be submitted to *Medicine & Science in Sports & Exercise.*
5. Grigsby, M., **Di, J.**, Leroux, A., Checkley, W., and Crainiceanu, C.. "Novel Measures for Child Growth Model Selection".
6. Leroux, A., Urbanek, J., **Di, J.**, Crainiceanu, C., and Zipunnikov, V.. "Accelerometry data structure and processing protocols in the NHANES study".

HONORS & AWARDS

Washington Statistical Society Outstanding Graduate Student Award *Jun 2013*

Phi Beta Kappa Honor Society Lifetime Membership *May 2013*

PRESENTATIONS

1. Integrative Analysis of Multi-Block Contaminated Datasets (oral contributed). *2013 Joint Statistical Meetings, Montreal, Canada*
2. Fragmentation of Daily Physical Activity, Review and Application (poster). *2016 Baltimore Aging Showcases, Baltimore, MD*

TEACHING EXPERIENCE

PH.140.621/2 - Statistical Methods in Public Health I-II *Fall 2016*

PH.140.753/4 - Advanced Methods in Biostatistics III-IV *Spring 2016*

PH.140.751/2 - Advanced Methods in Biostatistics I-II *Fall 2015*

BIST 514 - Linear Modeling & Multivariate Analysis *Spring 2014*

PROFESSIONAL MEMBERSHIP

American Statistical Association (ASA), Washington Statistical Society (WSS), Eastern North American Region of the International Biometrics Society (ENAR).

CERTIFICATIONS

SAS Certified Advanced Programmer for SAS 9 *Aug 2013*

SAS Certified Based Programmer for SAS 9 *Jul 2013*

COMPUTING SKILLS

R, Matlab, SAS, LaTeX