

Yiyuan Wu

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Curriculum Vitae

Education

Sep.2015 – Dec.2016	M.S. in Statistics Department of statistical sciences, Rutgers University, New Brunswick, New Jersey. GPA: 3.9 Core Courses:
Sep.2009 – Dec.2012	B.S. in Mathematics University of Kentucky, Lexington, Kentucky. GPA: 3.89 Core Courses:

Research and Teaching Interests

Statistical Methodology modeling of longitudinal data, high – dimensional data, functional data analysis, had strong interest in casual inference

Statistical Software Development visualization and analysis of functional data, shared parameter model

Relevant Experience

Research Biostatistician at Weill Cornell Medicine	10/2017 – Present New York, NY
<ul style="list-style-type: none">• Collaborated with investigators affiliated with Cornell on their short-term and long-term research studies and clinical trials• Provided statistical consulting services, including construction of hypothesis, study design, data cleaning, statistical analysis, reports and writing up statistical analysis plans as well as revising abstracts and manuscripts• Actively involved with ALACRITY a statistical methods core that provides quality control for center's projects and serves as an incubator for innovative approaches to analytic methods• Provided statistical and analytic support to help advance research and products provided by New York Clinical Data Research Network	
Statistician at Montefiore Medical Center Department of Critical Care Medicine	08/2016-10/2017 Bronx, NY
<ul style="list-style-type: none">• Collaborated with medical professionals on their research studies in critical care medicine especially lung injury and readmission rate. Reviewed, modified statistical section written into manuscript• Performed statistical analysis such as survival analysis, Propensity score matching, logistic regression and modeling (GLM, Cox model, GEE and Mixed Model) for clinical trials and observational studies using SAS and R• Worked with informatics team to implement a hospital score based alert system using random tree forest algorithm• Created, updated and managed clinical databases as well as extracted data from electronic medical database based on study criteria to build study cohort	
P&C Predictive Modeling Analyst Intern at Farm Bureau Financial Services	05/2016- 08/2016 Des Moines, IA
<ul style="list-style-type: none">• Completed a project: the geospatial analysis for multiple perils in Iowa State for rate filing of 2017• Wrote in-depth SQL queries to extract Iowa claim data from the past 8 years• Used Cross Validation method to validate the performance of generalized linear mixed model in predicting pure premium for the next year	

Teaching Experience

Course Teaching Assistant- Biostatistics II (MS program in Biostatistics and Data Science) 2017

Research Mentor for MS students in Biostatistics and Data Science 2018

Course Teaching Assistant- Linear Algebra, Calculus I, Calculus II (University level courses at University of Kentucky) 2011-2012

Awards and Scholarships

Performance Excellence Scholarship	
Dean's List	

Skills

Technical: Python, Excel, SQL. Statistical Program: SAS (>3 years, advanced proficiency), R (>3 years, advanced proficiency), STATA Clinical Research Software: Clinical Looking Glass

Publications

- Danielle S. Jackson, MD MPH (1), Samprit Banerjee, PhD (1, 3), Jo Anne Sirey, PhD (1), Cristina Pollari, MPH (1), Richard Novitch, MD (2), Alexandra Chalfin, BS (1), **Y. Wu, MS** (3), George S. Alexopoulos, MD (1). Two Interventions for Patients with Major Depression and Severe COPD: Impact on Quality of Life.
- Mikhail A Dziadzko^{1,2}, Paul J Novotny³, Jeff Sloan³, Ognjen Gajic⁴, Vitaly Herasevich¹, Parsa Mirhaji⁵, **Y. Wu, MS**⁵ and Michelle Ng Gong⁶. Multicenter derivation and validation of an early warning score for acute respiratory failure or death in the hospital.
- Khushabu Kasabwala^a, Neal Patel^a, Eliza Cricco-Lizza^a, Adrian A. Shimpi^b, Stanley Weng^a, Rose M. Buchmann^b, Samaneh Motanagh^c, **Y. Wu**^d, Samprit Banerjee^d, Francesca Khani^{a,c}, Daniel J. Margolis^e, Brian D. Robinson^{a,c}, Jim C. Hu. The Learning Curve for Magnetic Resonance Imaging/Ultrasound Fusion-guided Prostate Biopsy.
- Miriam Samstein, MD, PhD, **Y. Wu, MS**, Linda M. Gerber, MS, Erika Abramson, MD, MS. Pediatric Chief Resident Perspective on High Value Cost Conscious Care Training During Residency: A National Survey.
- Yongkang Zhang, Zachary Grinspan, Eloise O'Donnell, **Y. Wu**, Dhruv Khullar, Rainu Kaushal. Using Computable Phenotypes to Identify High-Need, High-Cost Patients.
- Lisa R. Koenig, BA,¹ Russell Rosenblatt, MD,² Rahil M. Patel, BS,³ **Y. Wu, MS**,⁴ Anton Orlin, MD,¹ Robison V. Paul Chan, MD,¹ Szilard Kiss, MD,¹ Donald J. D'Amico, MD,¹ Sonal Kumar, MD,² Mrinali P. Gupta, MD¹. Hepatitis C does not modulate prevalence or severity of diabetic retinopathy.
- A.A. Hope¹, **Y. Wu**¹, J.-T. Chen¹, D. Kaufman², D. Talmor³, D. J. Kor⁴, O. Gajic⁴, M. N. Gong¹. The Association Between Pre-Hospital Vulnerability, The Development Of ARDS And Mortality Among At-Risk Adults: Results From The Lips-A Randomized Clinical Trial.

Presentation

- Ellen M. Whyte MD, Patricia Marino, PhD, Samprit Banerjee, Ph.D. **Y. Wu, MS**. Sustaining Remission of Psychotic Depression: The STOP-PD II Study -- Focus on older adults American Society of Clinical Psychopharmacology of Symposium presentation.