XINGYUE HUO

hxy6879@hotmail.com | (470) 4953699 | linkedin.com/in/xingyue-huo

EDUCATION

EMORY UNIVERSITY   *May. 2019   Atlanta, US*
- M.S. in Biostatistics, Rollins School of Public Health
- Selected Courses: Machine Learning, Statistical Inference, Statistical Methods, Statistical Computing

JILIN UNIVERSITY   *Jun. 2014   Changchun, China*
- B.E. in Biological Science and Engineering, School of Biological and Agricultural Engineering
- Selected Awards: Excellent Academic Performance in 2011, 2012, 2013

SELECTED EXPERIENCES

Biostatistician | Mount Sinai Health System   *Aug. 2019 -   New York, US*
- Develop novel statistical strategies, big data and genomic analyses, and machine learning techniques for biomedical datasets.
- Create interpretable models and data visualizations for clinicians and researchers. design and implement bioinformatics tools and processes for analysis of large datasets.

Data Analyst Intern | American Cancer Society, Inc.   *Dec. 2018 - May. 2019   Atlanta, US*
- Created reports on farming labors and economics based on the World Bank Database.
- Extracted and processed data with SAS and SQL. Implemented a statistical data analysis project on Economic and Health Policy Research.

Data Analyst Intern | Winship Cancer Institute   *Oct. 2018 - Feb. 2019   Atlanta, US*
- Developed SAS macro code based on statistical methods for National Cancer Database (NCDB).
- Assessed treatment outcomes of the latest cancer management strategy presented for ASCO and ASTRO.

SELECTED PROJECTS

Predict the Histological Type of Cancer and Respective Blood Protein Biomarkers   *Spring 2018*
- Designed dimension reduction using PCA, trained and evaluated the performance of classifiers to learn the relationship between medical features and biomarkers using Tensorflow

Analyze the Adaptation of Mixture Cure Model   *Spring 2019*
- Analyzed the longitudinal data using survival analysis method.Estimated the unknown parameters using E-M algorithm package in R. Estimated the adaptation of mixture cure model for clinical data

SELECTED PUBLICATIONS

- Joseph Finkelstein, **Xingyue Huo** et al., *Electronic Consent at Scale: Expanding an Interactive Online Patient Enrollment across Diverse Healthcare Settings*.
- Joseph Finkelstein, Jennifer Guarino, **Xingyue Huo** et al., *Exploring Determinants of Longevity of Biomedical Databases* .
- **Xingyue Huo**, Apoorva Pradhan, Fadia Shaya et al., *Using Big Data to Identify Risk Factors for Opioid Abuse Among Patients with Opioid Prescriptions*.
- **Xingyue Huo**, Joseph Finkelstein et al., *Association between E-cigarette Use and Propensity for Risk Behaviors*.
- Joseph Finkelstein, **Xingyue Huo** et al., *Chronic Obstructive Pulmonary Disease as an Independent Risk Factor for Cancer*.
- Daniel Robins, Andrew Dunn, **Xingyue Huo** et al., *Electronic Consent at Scale: Expanding an Interactive Online Patient Enrollment across Diverse Healthcare Settings*.

- Olatunji B. Alese, **Xingyue Huo** et al., *Perioperative Therapy in Patients with Metastatic Colorectal Cancer: Pattern of Use, Timing and Survival outcomes.*
- Dan Zhu, **Xingyue Huo** et al., *Progressive Increase of Inflammatory CXCR4 and TNF-alpha in the Dorsal Root Ganglia and Spinal Cord Maintain Peripheral and Central Sensitization to Diabetic Neuropathic Pain in Rats.*
- Zi-Han Feng, **Xingyue Huo** et al., *Mutant Selection Window of Clarithromycin for Clinical Isolates of Helicobacter Pylori: Possibilities and Limitations.*

SKILLS

R (Shiny,Markdown), Python, SQL, GIS, SAS(Advanced Certification),JMP