XINGYUE HUO

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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

Data Analyst&Biostatistician | Mount Sinai Health System *Agu. 2019 - present 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 researchersïijŇdesign 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*

- Cleaned and processed raw data using scikit-learn package in Python
- Designed dimension reduction using PCA, trained and evaluated the performance of classifiers to learn the relationship between medical features and biomarkers using Tensorflow
- Achieved over 95% test accuracy and visualized the results using Matplotlib in Python

Analyze the Adaptation of Mixture Cure Model *Spring 2019*

- Extracted, transformed the raw data in SAS, 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

- Olatunji B. Alese, Katerina Zakka, **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**, Yan Guo, et al. (2018,Jul) *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,Excel (VBA,pivot table) LaTeX