Imaani Easthausen

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Education

Columbia University Mailman School of Public Health, New York, NY   May 2019

Master of Science in Biostatistics

Honors:
- Columbia University Heilbrunn Scholarship
- National Institute of Health (NIH) administrative supplement to support diversity in the health sciences

Bard College, Annandale, NY   May 2015

Bachelor of Arts in Biology with a focus in Mathematics   GPA: 3.76/4.00

Honors: Distinguished Scientist Scholar

Languages

SAS (beginner proficient), Python (beginner proficient), R (beginner proficient), Octave (basic familiarity), MATLAB (basic familiarity), LaTeX

Skills

Data cleaning, data visualization, exploratory data analysis, formal hypothesis testing, predictive modeling, linear regression, generalized linear modeling

Data, Statistics, and Analytical Experience

Columbia University Medical Center, New York, NY   September 2017 – Present

Graduate Research Assistant

- Use observational population heath datasets as a framework for developing novel, scientifically-grounded hypotheses
- Formulate and prepare written statistical plans that clearly reflect research hypotheses for analysis of public health research data
- Describe, summarize, and visualize raw data
- Develop and fit complex predictive models for hypothesis testing using regression modeling techniques including assessing and applying corrections for fit and over-fitting; variable interactions; non-linear relationships; and missingness
- Develop tables, charts, graphs, and figures to describe and visualize model performance and results
- Prepare written summaries of quantitative analyses for journal publication, presentations at scientific meetings, grant application, and review by regulatory agencies
- Develop and execute calculations for power and sample size when planning research studies with complex sampling schemes
- Establish and maintain standards for documentation, archiving, auditing, confidentiality, and security; establish and maintain guidelines for data accessibility and cleaning

Project Management Experience in a Clinical Research Setting

Columbia University Medical Center, New York, NY   August 2015 – August 2017

Clinical Research Assistant
- Coordinate multiple clinical research studies related to pulmonary disease medicine, including pharmaceutical clinical trials and observational data collection registries
- Serve as the primary point of contact for multiple study sponsors, responsible for coordinating study start-up, training, conduct, and regulatory compliance across multiple hospital departments
- Communicate with Internal Review Board (IRB)
- Preparing protocol submissions, modifications, and amendments incompliance with FDA and ethics committee regulations
- Collaborate with team members to systematize and operationalize study procedures including developing study protocols, manual of procedures (MOPs), and case report forms (CRFs)

Publications

Podolanczuk AJ, Oelsner EC, Barr RG, Bernstein EJ, Hoffman EA, **Easthausen IJ**, Stukovsky KH, RoyChoudhury A, Michos ED, Raghu G, Kawut SM, Lederer DJ. (2017) High Attenuation Areas on Chest CT and Clinical Respiratory Outcomes in Community-dwelling Adults. *American Journal of Respiratory And Critical Care Medicine*. In press.

Baldwin MR, Peterson ER, **Easthausen IJ**, Quintanilla I, Colago E, Sonett JR, D'Ovidio F, Costa J, Diamond JM, Christie JD, Arcasoy SM, Lederer DJ. (2013) Donor Age and Early Graft Failure After Lung Transplantation: A Cohort Study. *American Journal of Transplantation* 13(10):2685-95.

Presentations

Easthausen IJ, Robertson B, "Songbirds and Their Sunglasses: A Study Demonstrating Avian Attraction to Highly Polarizing Horizontal Surfaces." Poster presentation at the Hudson Valley Life Sciences conference 2015. Annandale-on-Hudson, NY.

Easthausen IJ, Martinez-Agosto JA, "Identification of Tumor-Reducing Agents Reveals Potential Downstream Effectors of the Hippo Signaling Pathway." Poster presentation at UCLA Summer Research Poster Session, 2014. Los Angeles, CA.

Easthausen IJ, Brand C, Weber WA, Lewis JS, Reiner T, "Synthesis of a Multimodal Imaging Agent for the Visualization of Pancreatic Beta Cells *in vivo.*" Poster presentation at the Annual Biomedical Research Conference for Minority Students, 2013. Nashville, TN.

Easthausen IJ, Brand C, Reiner T, Weber WA, Lewis JS, "Synthesis of a Multimodal Imaging Agent for the Visualization of Pancreatic Beta Cells in vivo." Oral presentation at Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional MD/PhD Program 2013 & at Leadership Alliance National Symposium, 2013. New York, NY.

Easthausen IJ, Quintanilla I, "Donor Age and Mortality after Lung Transplantation: A Retrospective Cohort Study." Oral presentation at Columbia University Mailman School of Public Health:

Biostatistics Enrichment Summer Training Diversity Program Research Symposium, 2012. New York, NY.