



School of Medicine  
University of Missouri

# Biostatistics Unit – Scientific Seminar

## Connecting the Dots from Image Analysis to Health Outcomes

### Topic Description

This presentation will summarize the main methodological approaches and respective challenges for analyzing neuroimaging data. In addition, the presentation will explore how to best utilize administrative databases in the context of health outcomes research. Finally, the speaker will describe how image analysis can be used to improve health outcomes.

### ***Alexandria Jensen***

*Alexandria Jensen is a Biostatistics & Informatics Ph.D. candidate (expected summer 2022) at the University of Colorado Anschutz Medical Campus. She is a graduate research assistant in the Center for Innovative Design and Analysis (CIDA), working within the Colorado Aging Brain Lab as well as Translational Outcomes in Radiology Research Lab. Under the supervision of Dr. Debashis Ghosh, her dissertation research focuses on the design and analysis of tree-based objects applied to neuroimaging data. Her applied research collaborations span a range of topics and disciplines, including health disparities and outcomes research using large administrative databases, the creation of pre-processing pipelines for neuroimaging data, and assessing the longitudinal changes in BMI percentile for children with obstructive sleep apnea following adenotonsillectomy.*

February 9, 2022

1PM-2:00PM CST

Zoom:

<https://umsystemprotected.zoom.us/j/97905791474?pwd=WmRzdGdjajl5Q3pKTk11ejNrSTNoZz09&from=addon>

For more information, email Dawn Moorehead at [mooreheadd@health.missouri.edu](mailto:mooreheadd@health.missouri.edu)  
or visit our website at <https://medicine.missouri.edu/biostats>.