



Training in **Advanced** Statistical Analysis in Neuroimaging and Genetics

Salt Lake City, Utah April 15 - 26, 2024

UCLA



Innovative 6-month continuing education portion

neurostatsbootcamp.org



Mandy Mejia
Indiana University

Longitudinal and Bayesian Modeling
Random Effects
Marginal Longitudinal Models
Spatial Priors
Empirical Population Priors



Anna Docherty
University of Utah

Biometric Heritability and Genetic Correction
GWAS and SNP-Based Heritability
Polygenic Risk
Post-GWAS
Mendelian Randomization



Rick Betzel
Indiana University

Networks
Modules and Communities
fMRI Test-Retest
Network Structure and Function
Simulating Lesions
Biophysical Models in Networks



Martin Lindquist
Johns Hopkins University

Predictive Modeling
Multimodal Analysis
SVM & CCA & JICA

- Each faculty will teach on 2-3 consecutive days
- Typical day is comprised of 3-4 lectures
- Lectures 45-55 minutes in length
- Each lecture is supported by a matching hands-on computer lab
- Computer labs are accessed via web to the University of Utah CHPC
- There are three to four guest lecturers during the two weeks
- Day starts at 8:30am
- Three dinners with faculty, lunch is provided on site
- Accommodations are adjacent to lecture facility

Including guest lectures : Reproducibility, Ethics of Science, JEDI

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APPLICATION DEADLINE NOV 1, 2023



Your lecturers are directly supported by NIH/NINDS R25NS117281 (Welsh)
This is strictly a not-for-profit course

