Agenda

Reproducible Neuroimaging: Principles
A Core for Neuroimaging Acquisition and Analysis Workshop
Sponsored by the UNMC CoNDA Center
Friday December 10th, 2021

Buffett Cancer Center, Conference Room 0-12101 & Zoom
Lead Instructor: Dr. David E. Warren, PhD (david.warren@unmc.edu)
Co-Instructors: David G. Ellis, M.S. & Connor J. Phipps

Course Resources

Course server	https://inbrehub.unmc.edu
Course repository	https://github.com/ellisdg/ReproNimWorkshop
Course chat (Slack)	https://bit.ly/30fHo8s

Course Requirements

Device	Desktop, laptop, or tablet with a web browser, keyboard, and network
Skills	Basic computer familiarity
Background	Nothing required; basic knowledge of neuroimaging approaches may be useful

Schedule

Time	Activity	Instructor
1:00	Welcome & Overview	Warren
1:15	Orientation to Tools	Ellis
1:30		
1:45	Reproducibility: Motivation & Basics	Warren
2:00		
2:15	Plotting your data (matplotlib)	Phipps
2:30		
2:45	Break	
3:00	Organizing your data (BIDS)	Warren
3:15		
3:30	Neuroimaging workflows (nipype)	Ellis
3:45		
4:00	Brain network connectivity (bctpy)	Phipps
4:15		
4:30	Questions/Open Discussion	—
4:45	Reproducibility: Conclusions	Warren
5:00	End	