



# AFNI Bootcamp: March 2-6, 2020

LIBR, Tulsa, (more than just) OK, USA



	Monday	Tuesday	Wednesday	Thursday	Friday
08:30-09:20 minibreak 09:30-10:15	<b>AFNI Intro &amp; Interactive</b> Cox	<b>Atlases &amp; ROIs</b> Taylor	<b>Regression++ &amp; Clustering</b> Cox	<b>ROI-based Group Analysis</b> Chen	<b>Resting State &amp; InstaCorr</b> Cox
<b>break</b>					
10:30-11:20 minibreak 11:30-12:15	<b>AFNI Driving &amp; Interactive</b> Taylor	<b>FMRI Analysis: Start-to-Middle</b> Cox	<b>Exp. Design &amp; Group Analysis</b> Chen	<b>SUMA: Surface Analysis</b> Taylor	<b>DTI: FATCAT + more SUMA</b> Taylor
<b>lunch</b>					
13:30-14:20 minibreak 14:30-15:15	<b>Alignment and Registration</b> Taylor	<b>FMRI Analysis: Middle-to-End...</b> Cox	<b>Group Analysis in FMRI</b> Chen	<b>More SUMA Surf Analysis</b> Taylor	<b>Dispersal to the Eight Corners of the Cosmos</b>
<b>break</b>					
15:30-16:20 minibreak 16:30-17:15	<b>Single Subject Analysis</b> Chen	<b>... &amp; 3dttest++; afni_proc-QC</b> Cox, Taylor	<b>Exercises and Consultations</b> All	<b>Group Analysis Hands-On</b> Chen	

Computer setup: <https://afni.nimh.nih.gov/pub/dist/doc/html/doc/index.html>  
 Class PDFs: [https://afni.nimh.nih.gov/pub/dist/edu/latest/afni\\_handouts](https://afni.nimh.nih.gov/pub/dist/edu/latest/afni_handouts)

<u>Class</u>	<u>Handout(s)</u>
• <b>AFNI Intro &amp; Interactive</b> (lecture, hands-on):	afni01_intro.pdf, afni02_to3d.pdf, afni00_unix.pdf
• <b>AFNI Interactive</b> (hands-on):	afni03_interactive.pdf, AFNI_interactive2.pdf, @Drive_Afni
• <b>Alignment and Registration</b> (lecture):	afni10_volreg_talairach.pdf, afni10_volreg_talairach_extras.pdf
• <b>Single Subject Analysis</b> (lecture):	afni22_indiana.pdf, afni04_fmri.pdf
• <b>ROIs, Atlases &amp; Driving AFNI</b> (lecture):	afni10_volreg_talairach.pdf, afni11_roi.pdf, afni11_roi_cmds.txt
• <b>FMRI Analysis: Start-to-Middle</b> (hands-on):	afni16_start_to_finish.pdf, afni_proc.pdf
• <b>FMRI Analysis: Middle-to-End</b> (hands-on):	afni16_start_to_finish.pdf
• <b>... &amp; 3dttest++; afni_proc-QC</b> (hands-on):	
• <b>Regression++ &amp; Clustering</b> (lect/hands-on):	afni07_advanced.pdf, afni_clustering_etac.pdf, Clusters_2017.pdf
• <b>Exp. Design &amp; Group Analysis</b> (lecture):	afni24_GroupAna.pdf
• <b>Group Analysis in FMRI</b> (lecture):	afni24_GroupAna.pdf
• <b>ROI-based Group Analysis</b> (lecture):	afni26_ROI-based-modeling.pdf
• <b>Surface Analysis: SUMA</b> (hands-on):	suma.pdf, suma_keystrokes.txt
• <b>More Surface Analysis: SUMA</b> (hands-on):	suma.pdf
• <b>Group Analysis Hands-on</b> (hands-on):	afni25_GroupAna_HO.pdf
• <b>Resting State &amp; InstaCorr</b> (lect/hands-on):	afni23_restingstate.pdf, afni20_instastuff.pdf
• <b>DTI: FATCAT + more SUMA</b> (lect/hands-on):	FATCAT*.pdf