



**AFNI Bootcamp – NIH Bldg 38A, Lister Hill Auditorium – Oct. 22-26, 2018**



**Mon**                      **Tues**                      **Wed**                      **Thur**                      **Fri**

08:30-09:20  
minibreak  
09:30-10:15

**AFNI Introduction**  
Cox

**Alignment and Registration**  
Glen

**Group Analysis in FMRI**  
Chen

**SUMA & Surface Analysis**  
Taylor

**FMRI Clustering**  
Cox

**break**

10:30-11:20  
minibreak  
11:30-12:15

**AFNI Interactive**  
Glen

**FMRI Analysis: Start-to-Middle**  
Reynolds

**Atlases, ROIs & Driving AFNI**  
Glen

**More Surface Analysis: SUMA**  
Reynolds

**DTI, FATCAT & more SUMA**  
Taylor

**lunch**

11:45 finito!

13:30-14:20  
minibreak  
14:30-15:15

**Single Subject Analysis**  
Cox

**FMRI Analysis: Middle-to-End**  
Reynolds

**Group Analysis Hands-On**  
Chen

**Group Analysis Hands-On++**  
Chen

**Dispersal to the Eight Corners of the Cosmos**

**break**

15:30-16:20  
minibreak  
16:30-17:15

**Regression Hands-On**  
Reynolds

**Exercises and Consultations**  
All

**Advanced Regression++\***  
Cox

**Resting State & InstaCorr**  
Cox

**MONDAY DTI Breakout**  
Clinical Ctr (Bldg 10)  
FAES Rm 4-5

**DWI Acquisition & Processing**  
Sarlls & Pierpaoli

08:15-10:00

**TORTOISE Hands-On**  
Nayak & Irfanoglu

10:20-11:45

**More TORTOISE**  
Pierpaoli & Irfanoglu

13:00-13:35

**Intro. to FATCAT**  
Taylor

13:35-15:10

**FATCAT Hands-On**  
Taylor

15:30-17:15

\* Followed by Happy Hour at Rock Bottom, Bethesda

<u>Class</u>	<u>Handout(s)</u>
• <b>AFNI Introduction</b> (lecture):	afni01_intro.pdf, afni02_to3d.pdf, afni00_unix.pdf
• <b>AFNI Interactive &amp; Driving AFNI</b> (hands-on):	afni03_interactive.pdf, AFNI_interactive2.pdf, @Drive_Afni
• <b>Single Subject Analysis</b> (lecture):	afni22_indiana.pdf, afni04_fmri.pdf
• <b>Regression: Hands on</b> (hands-on):	afni05_regression.pdf
• <b>Alignment and Registration</b> (lecture):	afni10_volreg_talairach.pdf, afni10_volreg_talairach_extras.pdf
• <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>Exercises and Consultations</b> (hands-on):	afni19_jazz.pdf, afni19_jazz_hints.pdf, afni19_jazz_answers.pdf
• <b>Group Analysis in FMRI</b> (lecture):	afni24_GroupAna.pdf
• <b>ROIs, Atlases &amp; Driving AFNI</b> (lecture):	afni10_volreg_talairach.pdf, afni11_roi.pdf, afni11_roi_cmds.txt
• <b>Group Analysis Hands-on 1</b> (hands-on):	afni25_GroupAna_HO.pdf
• <b>Advanced Regression</b> (lecture):	afni07_advanced.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, PPI.pdf
• <b>Resting State &amp; InstaCorr</b> (lecture/hands-on):	afni23_restingstate.pdf, afni20_instastuff.pdf
• <b>Advanced Clustering Statistics</b> (hands-on):	afni_clustering_etac.pdf, Clusters_2017.pdf
• <b>Connectivity &amp; Visualization</b> (hands-on):	FATCAT_HO.pdf, advanced_vis_notes.txt
• <b>DTI, FATCAT &amp; SUMA</b> (lecture/hands-on):	FATCAT_0[1-4]_*.pdf, FATCAT_DEMO2