



# AFNI Bootcamp – Dec. 3-7, 2018

## South China Normal University, Guangzhou



**Mon**

**Tues**

**Wedn**

**Thur**

**Fri**

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

**AFNI Introduction**  
Cox

**ROIs and Atlases**  
Taylor

**Advanced FMRI & Clustering**  
Cox

**ROI-based Network Analysis**  
Chen

**Resting State & InstaCorr**  
Cox

break

10:50-11:30  
break  
11:40-12:25

**AFNI Interactive**  
Taylor

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

**Exp. Design & Group Analysis**  
Chen

**SUMA & Surface Analysis**  
Taylor

**DTI & FATCAT & more SUMA**  
Taylor

lunch

13:35-14:25  
break  
14:35-15:20

**Alignment and Registration**  
Taylor

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

**Group Analysis in FMRI**  
Chen

**More Surface Analysis: SUMA**  
Taylor

**[optional] Consultations**  
All

break

15:45-16:35  
break  
16:45-17:30

**Single Subject Analysis**  
Chen

**Exercises and Consultations**  
All

**Adv. Clustering Statistics**  
Cox

**Group Analysis Hands-on, 2**  
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, FMRI &amp; Dimon</b> (lecture):	afni01_intro.pdf, afni02_to3d.pdf
• <b>AFNI Interactive &amp; Driving AFNI</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 &amp; Atlases</b> (lecture):	afni10_volreg_talairach.pdf, afni11_roi.pdf
• <b>FMRI Analysis: Start-to-Middle</b> (hands-on):	afni16_start_to_finish.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>Advanced Regression</b> (lecture):	afni07_advanced.pdf
• <b>Exp. Design &amp; Group Analysis</b> (lecture):	ExptDsgn.pdf
• <b>Group Analysis in FMRI</b> (lecture):	afni24_GroupAna.pdf
• <b>Advanced Clustering Statistics</b> (hands-on):	afni_clustering_etac.pdf
• <b>ROI-based Network Analysis</b> (hands-on):	afni26_ROI-based-modeling.pdf
• <b>Group Analysis Hands-on</b> (hands-on):	afni25_GroupAna_HO.pdf, PPI.pdf
• <b>Surface Analysis: SUMA</b> (hands-on):	suma.pdf
• <b>More Surface Analysis: SUMA</b> (hands-on):	suma.pdf
• <b>Resting State &amp; InstaCorr</b> (lecture/hands-on):	afni23_restingstate.pdf, afni20_instastuff.pdf
• <b>DTI, FATCAT &amp; SUMA</b> (lecture/hands-on):	FATCAT_0[1-4]_*.pdf
• <b>Connectivity &amp; Visualization</b> (hands-on):	FATCAT_HO.pdf, FATCAT_DEMO2