



AFNI Bootcamp : CBMM : May 28 - June 1, 2017



Mon

Tue

Wed

Thu

Fri

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

AFNI, FMRI & Dimon
Reynolds

Alignment and Atlases
Glen

Advanced Regression
Chen

Group Analysis Hands-on
Chen

Resting State & InstaCorr
Reynolds

break

10:30-11:20
break
11:30-12:20

AFNI Interactive & Driving AFNI
Glen

FMRI Analysis: Start-to-Middle
Reynolds

Atlases & ROIs
Glen

Group Analysis Hands-on & PPI
Chen/Reynolds

DTI & FATCAT & more SUMA
Glen

lunch

13:30-14:20
break
14:30-15:20

Single Subject Analysis
Chen

FMRI Analysis: Middle-to-End
Reynolds

Group Analysis in FMRI
Chen

Surface Analysis: SUMA
Glen

Connectivity & Visualization
Glen

break

15:30-16:20
break
16:30-17:20

Regression: Hands-On
Reynolds

Exercises and Consultations
All

Exercises and Consultations
All

More Surface Analysis: SUMA
Reynolds

[optional] Consultations
All

Bootcamp details: <http://cbmm.mit.edu/afni>

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

| <u>Class</u> | <u>Handout(s)</u> |
|---|---|
| • AFNI, FMRI & Dimon (lecture): | afni01_intro.pdf, afni02_to3d.pdf |
| • AFNI Interactive & Driving AFNI (hands-on): | afni03_interactive.pdf, AFNI_interactive2.pdf, @Drive_Afni |
| • Single Subject Analysis (lecture): | afni22_indiana.pdf, afni04_fmri.pdf |
| • Regression (hands-on): | afni05_regression.pdf |
| • Alignment and Atlases (lecture): | afni10_volreg_talairach.pdf, afni10_volreg_talairach_extras.pdf |
| • FMRI Analysis: Start-to-Middle (hands-on): | afni16_start_to_finish.pdf |
| • FMRI Analysis: Middle-to-End (hands-on): | afni16_start_to_finish.pdf |
| • Exercises and Consultations (hands-on): | afni19_jazz.pdf, afni19_jazz_hints.pdf, afni19_jazz_answers.pdf |
| • Advanced Regression (lecture): | afni07_advanced.pdf |
| • Atlases & ROIs (lecture): | afni10_volreg_talairach.pdf, afni11_roi.pdf |
| • Group Analysis in FMRI (lecture): | afni24_GroupAna.pdf |
| • Exercises and Consultations (hands-on): | afni19_jazz.pdf, afni19_jazz_hints.pdf, afni19_jazz_answers.pdf |
| • Group Analysis (hands-on): | afni25_GroupAna_HO.pdf |
| • Group Analysis Hands-on & PPI (hands-on): | afni25_GroupAna_HO.pdf, PPI.pdf |
| • Surface Analysis: SUMA (hands-on): | suma.pdf |
| • More Surface Analysis: SUMA (hands-on): | suma.pdf |
| • Resting State & InstaCorr (lecture/hands-on): | afni23_restingstate.pdf, afni20_instastuff.pdf |
| • DTI & FATCAT (lecture/hands-on): | FATCAT_01.pdf, FATCAT_02.pdf, FATCAT_03.pdf |
| • Connectivity & Visualization (hands-on): | FATCAT_HO.pdf |