

For the talk titled "fMRI Analysis Using AFNI" I will describe the process by which one goes from single subject time series data all the way to group level results for both resting state and task, for volume- and surface-based analysis. I will highlight unique aspects of parameter specification that simplify model specification for hypothesis testing and point to available programs for complex group level statistical queries. I will also describe recent additions of functional and anatomical connectivity tools.

In the process, I will emphasize the importance of staying close to your data despite the full automation of the process and show examples for how readily this can be done.

The reader can consult the following slides

<[http://afni.nimh.nih.gov/pub/dist/doc/RSFC2014/Saad\\_RSFC2014.AFNI\\_in45min.pdf](http://afni.nimh.nih.gov/pub/dist/doc/RSFC2014/Saad_RSFC2014.AFNI_in45min.pdf)> for a visual harbinger of things to come. The slides also contain suggested commands that can be run to download sample data and execute demo scripts. Questions and comments can be emailed to Ziad S. Saad at [saadz@mail.nih.gov](mailto:saadz@mail.nih.gov).