York NeuroImaging Centre
THE UNIVERSITY *of York*

Welcome to

Project Applications at

Preparing to scan at

Scanning at

− **Analysis at**

Leaving

York Neuroimaging Centre.

Workflow 5: Information for Investigators Performing Analysis

Analysis

Project Analysis Steps

Analysis

The primary analysis support at YNiC is via the doc wiki:

- https://www.ynic.york.ac.uk/wiki/

This details how to go about analysing your data, be it MEG data:

- https://www.ynic.york.ac.uk/wiki/docs/MEGFrontPage

or MRI data:

- https://www.ynic.york.ac.uk/wiki/docs/MRIFrontPage

There are also a number of pages that give supplementary information to hone the IT aspect of your analyses, helping to make your number crunching more efficient and less painful:

- https://www.ynic.york.ac.uk/wiki/docs/ITFrontPage

Note that on the IT Front Page there are three links under the YNiC Specific Information section for New Users. If you are not already familiar with these you should familiarise yourself with this information. In particular, now that you are starting analysis, it will be necessary for you to be familiar with the information about using the cluster at YNiC as when you begin to analyse either MEG or MRI data, you will almost certainly at some point need to use the cluster.

Other useful information relating to analysis within YNiC may also be found in the Miscellaneous, TechnicalInfo and other pages linked from the front of the doc wiki.

Should you need further help in interpretation of your analyses, then you are encouraged to present your issues at a YNiC Thursday evening seminar.[1] Details of who to contact can be found under the Support heading at https://www.ynic.york.ac.uk/wiki/docs/Miscellaneous.

Tutorials

If this is your first look at MEG or MRI analysis, you may want to work through one of our tutorials.

Tutorials for MEG data analysis can be found in the NAF Documentation. This is available at: https://vcs.ynic.york.ac.uk/docs/naf

For MRI analysis, there is an FSL tutorial tailored for use at YNiC on the Documentation wiki at https://www.ynic.york.ac.uk/wiki/docs/MRI/FSLTutorial

Writing Up

As you might expect, the writing up stage of your study is mostly up to yourselves! However, https://www.ynic.york.ac.uk/wiki/docs/TechnicalInfo will hopefully provide much of the necessary technical information to aid your methods section. Please let a member of YNiC staff know if there are any obvious omissions.

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[1]Naturally, if you are being supervised as part of an academic course, you should seek your supervisor's wisdom before doing this.