

Nipype training and provenance - 2016 Japan Node/NIDM Hackathon Results

- Objectives:
 - Show developers how to install and use Nipype (<http://nipy.org/nipype>)
 - Run a basic workflow with Nipype locally and on a HPC cluster
 - Perform minimal queries of the Nipype provenance graph using SPARQL to extract graph of executed workflow and inputs and outputs of each node
- Work:
 - Updated nipype_notebooks to run using mybinder.org (https://github.com/satra/nipype_notebooks)
 - Created an walked through iterations of a Jupyter notebook to explain core Nipype concepts
 - Installed Nipype environment on two HPC clusters
 - Tested workflows on the two HPC clusters
 - Helped implement an SPM realignment workflow
- Team:
 - Satrajit Ghosh, Shuntaro Aoki, Daisuke Miyamoto, Alex Woodward, Torsten Bullman,