

Coastal Coding for Reproducible Neuroimaging

ReproNim+Nipype 2.0 / NiMARE @FIU in Miami

Please join us for this dual event!

Location:

Florida International University
Biscayne Bay Campus
Miami, FL, USA

Dates:

10-12 January 2019

ReproNim+Nipype 2.0

14-16 January 2019

NiMARE Code Sprint

Registration:

\$125 for one event, \$200 for both events
(Fees cover breakfast, lunch, and snacks)

<https://coastal-coding.github.io>

ReproNim+Nipype 2.0 Workshop

Nipype is a Python-based scalable workflow engine with extensive support for neuroimaging. The goals of this workshop are two-fold. First, to enable attendees to become familiar with best practices for reproducible analysis from ReproNim. Second, to learn how to create scalable and re-executable neuroimaging workflows with the upcoming Nipype 2.0 platform. Advanced users are welcome to learn about the changes and hack with Nipype developers.

NiMARE Code Sprint

NiMARE (Neuroimaging Meta-Analysis Research Environment) is a new Python package for performing analyses using neuroimaging meta-analytic data. Current tools for neuroimaging meta-analyses are spread out across several packages and languages. NiMARE aims to provide a standardized interface for a broad range of algorithms, along with interfaces to open meta-analytic resources like Neurosynth, NeuroVault, and brainspell. At the sprint, we'll be working to design a standard for representing meta-analytic data, to add implementations for new tools, and to improve the documentation and test coverage of the existing codebase. Anyone interested in contributing to this new package is welcome to join. Experience with Python or neuroimaging meta-analysis recommended, but not necessary.