

NCAR Scientific Data

Data Analysis Web Application

Documentation Expectations

1. Self-Documenting Code
2. Doxygen
3. High-Level Overview
4. Installation Guide
5. Guide on Publishing Workflows
6. Reflections on Tools Used/Tool Selection In General

Completed Tasks

- OPeNDAP Integration
- Parameter Limitations
- Generalized Subsetting Script
- UI Mockups
- Writing Tests
- Created Sidebar



Active Tasks

- Integrate tasks into workflow framework
 - `pyutilib.workflow`
- Visualization of workflows
 - HTML Canvas/Javascript/PyDot
- Database integration
- R integration

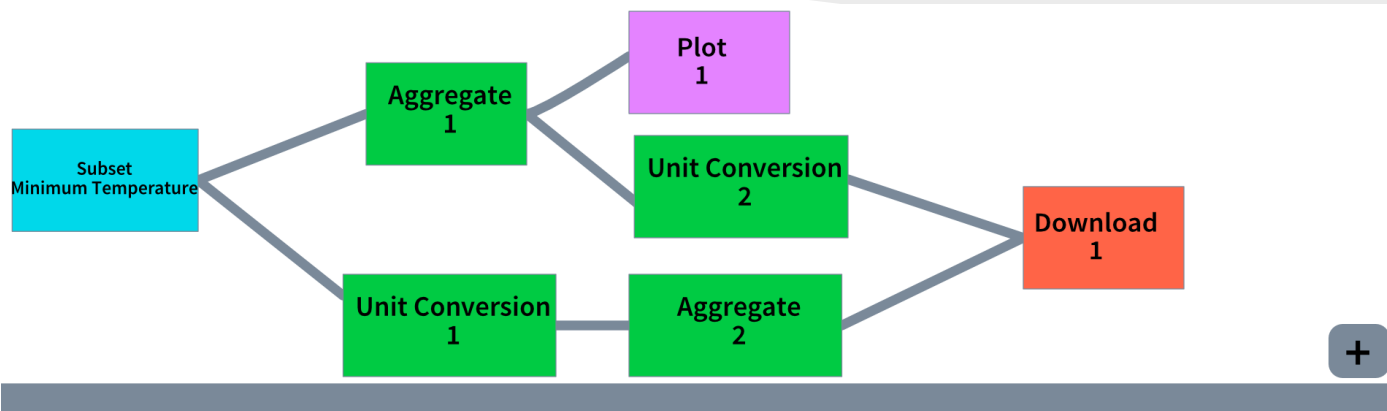
Next Tasks

- Nonlinear workflows
- Interacting with workflow visualization
- Adding small calculation modules for proof-of-concept

Risks and Concerns

- Nonlinear Workflows
 - Integrate pyutilib.workflow and HTML Canvas
- Integration of tools
 - Pair programming
- Managing sponsor's expectations
 - Documentation of features expected was discussed and approved by sponsor

Demo



Subset Data

Simulation Type *Explanation of Simulation Type*

NCEP

Variable *Explanation of Variable*

- Daily Average Sea Ice Temperature
- Maximum Daily 10-Meter Wind Speed
- Maximum Daily Surface Air Temperature
- Daily Average Sea Ice Temperature
- Maximum Daily 10-Meter Wind Speed
- Maximum Daily Surface Air Temperature

Region *Explanation of Region*

Southwest Corner
Latitude
Longitude
Northeast Corner

Questions?