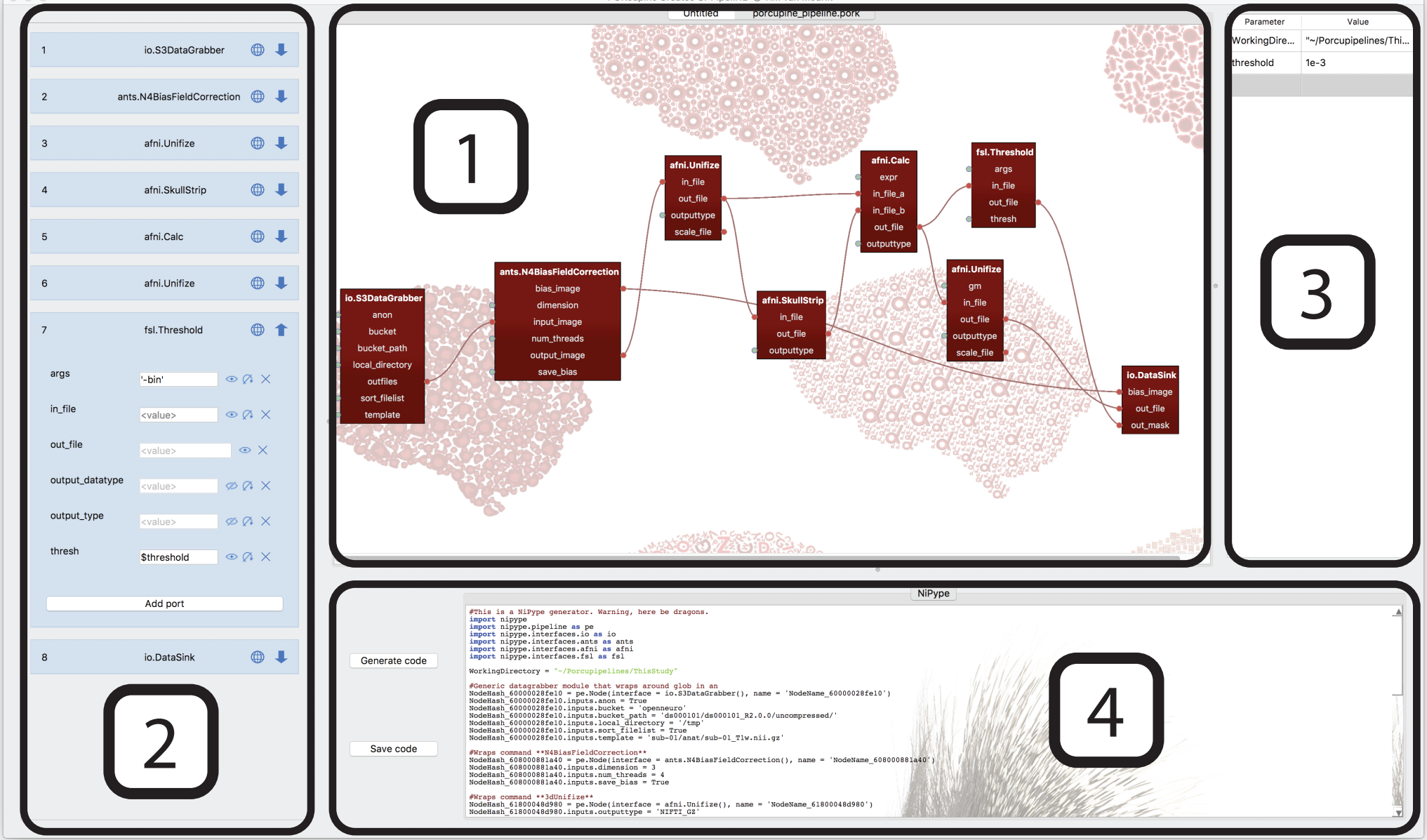
PORcupine Creates Ur PipelINE © Tim van Mourik
1 io.S3DataGrabber
2 ants.N4BiasFieldCorrection
3 afni.Unifize
4 afni.SkullStrip
5 afni.Calc
6 afni.Unifize
7 fsl.Threshold
args '-bin'
in_file <value>
out_file <value>
output_datatype <value>
output_type <value>
thresh $threshold
Add port
8 io.DataSink
2
Untitled
porcupine_pipeline.pork
1
io.S3DataGrabber
anon
bucket
bucket_path
local_directory
outfiles
sort_filelist
template
ants.N4BiasFieldCorrection
bias_image
dimension
input_image
num_threads
output_image
save_bias
afni.Unifize
in_file
out_file
outputtype
scale_file
afni.SkullStrip
in_file
out_file
outputtype
afni.Calc
expr
in_file_a
in_file_b
out_file
outputtype
fsl.Threshold
args
in_file
out_file
thresh
afni.Unifize
gm
in_file
out_file
outputtype
scale_file
io.DataSink
bias_image
out_file
out_mask
Parameter
Value
WorkingDire...
"~/Porcupipelines/Thi...
threshold
1e-3
3
NiPype
Generate code
Save code
#This is a NiPype generator. Warning, here be dragons.
import nipype
import nipype.pipeline as pe
import nipype.interfaces.io as io
import nipype.interfaces.ants as ants
import nipype.interfaces.afni as afni
import nipype.interfaces.fsl as fsl
WorkingDirectory = "~/Porcupipelines/ThisStudy"
#Generic datagrabber module that wraps around glob in an
NodeHash_60000028fe10 = pe.Node(interface = io.S3DataGrabber(), name = 'NodeName_60000028fe10')
NodeHash_60000028fe10.inputs.anon = True
NodeHash_60000028fe10.inputs.bucket = 'openneuro'
NodeHash_60000028fe10.inputs.bucket_path = 'ds000101/ds000101_R2.0.0/uncompressed/'
NodeHash_60000028fe10.inputs.local_directory = '/tmp'
NodeHash_60000028fe10.inputs.sort_filelist = True
NodeHash_60000028fe10.inputs.template = 'sub-01/anat/sub-01_T1w.nii.gz'
#Wraps command **N4BiasFieldCorrection**
NodeHash_608000881a40 = pe.Node(interface = ants.N4BiasFieldCorrection(), name = 'NodeName_608000881a40')
NodeHash_608000881a40.inputs.dimension = 3
NodeHash_608000881a40.inputs.num_threads = 4
NodeHash_608000881a40.inputs.save_bias = True
#Wraps command **3dUnifize**
NodeHash_61800048d980 = pe.Node(interface = afni.Unifize(), name = 'NodeName_61800048d980')
NodeHash_61800048d980.inputs.outputtype = 'NIFTI_GZ'
4