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Running pipeline with parameters from an XML?

515 vues



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Hello,

I'm fairly new to XNAT, but I have to learn how to run a complicated image processing pipeline in XNAT :-). For that purpose I have created some Python executables and a main Python wrapper script. (I'm attaching the relevant code and 1 test image).

I have read the related XNAT 1.6 documentation pages and have watched the 2012 video of Mohana's pipeline workshop, but I'm still struggling with the configuration.

README

This contains components of a simple XNAT test image processing pipeline.

Simple XNAT test Pipeline

- * segmentation.py: segments a simple test volume by thresholding
- * inspection.py: generates PNG file for visual inspection of the segmentation result

== Pipeline ==

=== Segmentation ===
inputs => image [threshold1 threshold2]
outputs => segmented-image

=== Inspection ===
input => image segmented-image
output => output-image: PNG file with 3 perpendicular cross-section views of the segmentation result overlayed on the input image

in short:

