
nanslice Documentation

Release 1.0

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Contents:

1	nanslice package	3
1.1	Submodules	3
2	Indices and tables	5
3	Legal	7

(Alternative names are Not-A-Number Slice tool & Neuroimaging ANalysis Slice tool)

This is a pure Python module for taking slices through MR Images and displaying them in beautiful ways. It is friendly to both clinical and pre-clinical data, and includes dual-coding (<http://dx.doi.org/10.1016/j.neuron.2012.05.001>) overlays.

Along with a Python module that can be used in your Python scripts, there are several utility functions for use in Jupyter notebooks, including a three-plane viewer. There are also three command line tools that will be installed to your \$PATH:

- `nanslicer` Produces different kind of slice-plots including color bars
- `nanviewer` A three-plane viewer. Requires PyQt.
- `nanvideo` Converts time-series images to a movie file for easy viewing.

1.1 Submodules

1.1.1 nanslice.box module

1.1.2 nanslice.jupyter module

1.1.3 nanslice.layer module

1.1.4 nanslice.nanslicer module

1.1.5 nanslice.nanvideo module

1.1.6 nanslice.nanviewer module

1.1.7 nanslice.slice_func module

1.1.8 nanslice.slicer module

1.1.9 nanslice.util module

CHAPTER 2

Indices and tables

- `genindex`
- `modindex`
- `search`

CHAPTER 3

Legal

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