
nidmviewer Documentation

Release 1.0

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This is a command line (to browser) as well as python module for rendering NIDM Results (turtle files) into an interactive viewer. The viewer currently supports parsing and interactive browsing of peak coordinates, viewing associated brain maps, and saving static images to file.

Contents:

Installation

To install

```
pip install git+git://github.com/vsoch/nidmviewer.git
```

1.1 Running Examples

1.1.1 Python (server)

```
#!/usr/bin/python

from nidmviewer.viewer import generate
from glob import glob
import os

# HTML FOR EMBEDDING #####
ttl_files = glob("fsl/*.ttl")
html_snippet = generate(ttl_files=ttl_files)

# LOCAL BROWSER #####
httpd = generate(ttl_files=nidm_files, base_image=standard_brain, view_in_browser=True)
```

1.1.2 Command Line

When installing with setup.py, an executable, *nidmviewer* is installed in your bin to view nidm files on the fly:

```
nidmviewer fsl/nidm.ttl
```

You can see the basic usage by typing the command:

```
nidmviewer

usage: nidmviewer [-h] [--columns_to_remove COLUMNS_TO_REMOVE] ttl base
nidmviewer: error: too few arguments
usage: nidmviewer [-h] [--columns_to_remove COLUMNS_TO_REMOVE] ttl base

command line or server tool to view or compare nidm results.

positional arguments:
```

t1	List of comma separated t1 files to parse.
base	base image (standard brain map) to use for the viewer background.

nidmviewer

2.1 nidmviewer package

2.1.1 Subpackages

2.1.2 Submodules

2.1.3 nidmviewer.browser module

2.1.4 nidmviewer.convert module

2.1.5 nidmviewer.scripts module

2.1.6 nidmviewer.sparql module

```
nidmviewer.sparql.do_query(ttl_file, query, rdf_format='turtle', serialize_format='csv', out-  
put_df=True)
```

```
nidmviewer.sparql.get_coordinates(ttl_file)
```

```
nidmviewer.sparql.get_coordinates_and_maps(ttl_file)
```

2.1.7 nidmviewer.templates module

2.1.8 nidmviewer.utils module

2.1.9 nidmviewer.viewer module

2.1.10 Module contents

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