

Visualization of fMRI data in Python

《大数据与多模态》

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软件包安装

```
pip install nilearn
```

示例图像

```
atlas_data = datasets.fetch_atlas_msdl()
atlas_filename = atlas_data.maps

from nilearn import plotting, image
```

First plot the map for the PCC: index 4 in the atlas

```
display = plotting.plot_stat_map(image.index_img(atlas_filename, 4),
colorbar=False,
title="DMN nodes in MSDL atlas")
```

Now add as an overlay the maps for the ACC and the left and right

parietal nodes

```
display.add_overlay(image.index_img(atlas_filename, 5),
cmap=plotting.cm.black_blue)
display.add_overlay(image.index_img(atlas_filename, 6),
cmap=plotting.cm.black_green)
```