



<https://github.com/nilearn/nilearn>



<https://nilearn.github.io>



Nilearn @Brainhack

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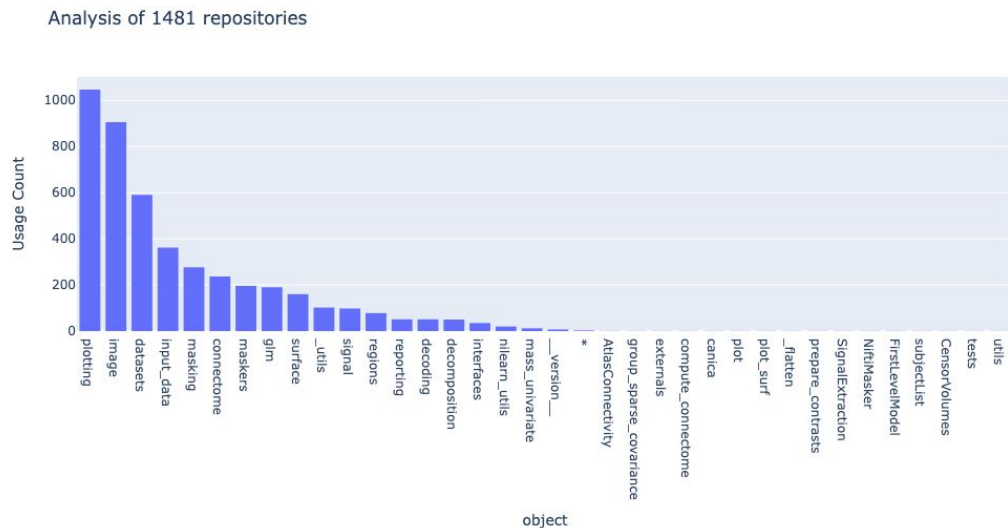
France

Nilearn vision

With Nilearn, we aim to simplify visualization, statistical analysis and machine learning on brain images in Python, with an open user base and active contributing community.

Main Goal for Brainhack: Improve plotting

- [Audit](#) shows `plotting` is most imported
- simply filter existing issues by the "Plotting" label ([here](#))
- or open new ones



Main Goal for Brainhack: Improve plotting

- So AMA here in-person
- Or on Discord **@man_shooo**
- Or on GitHub **@man-shu**
- Or at OHBM conference:
 - Posters sessions on 27th and 28th
 - Nilearn poster: **#1838**



Poster #1838: Stable Surface support

- new **SurfaceImage** object to load and save meshes and data for both hemispheres
- project volume to surface
- new maskers to extract data from **SurfaceImage**
- support for **SurfaceImage** across most modules: plotting, decoder and glm
- new examples demonstrating **SurfaceImage** in action

```
from nilearn.surface import SurfaceImage

mesh = {"left": fsaverage["pial_left"],
        "right": fsaverage["pial_right"]}

data = {"left":
        "path/to/lh_surface_data.gii", "right":
        "path/to/rh_surface_data.gii"}

surf_img = SurfaceImage(mesh=mesh,
                        data=data)
```

Find the slides here →



Thank **you!**