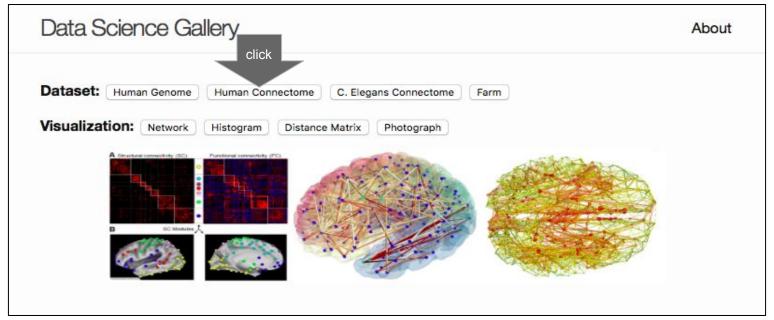
Data Science Gallery 1

Justin Skycak June 27, 2016

Initial Prototype

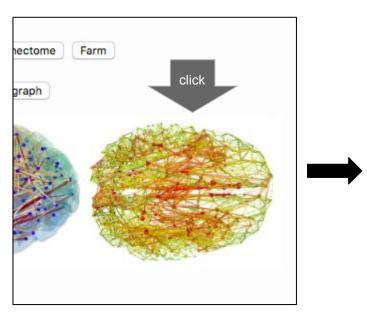
https://jpskycak.github.io/ds-gallery/

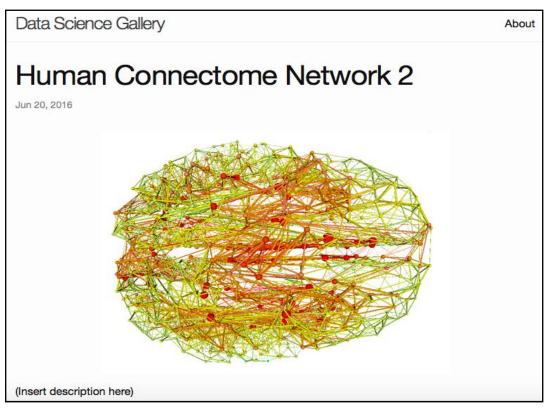
Landing page



Buttons which correspond to tags for e.g. the dataset used to generate images, and the type of visualization that each image uses. Once a tag button is clicked, all images with that tag are displayed below.

Image pages





Each image links to its own page, where information about the image is displayed.

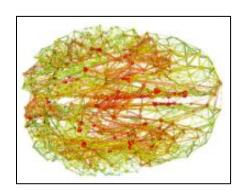
Code viewing



Each image links to a script that can be used to regenerate the image.

Adding new images

Add file YYYY-MM-DD-name.image_ext to the assets/images folder,



add attributes to image_list in _includes/image_list.html, and

add description YYYY-MM-DD-name.markdown to the posts folder.

```
layout: post
image_ext: .png
code_ext: .py
---
(Insert description here)
```

Adding new tags

Dataset:	Human Genome	Human Connectome		C. Elegans Connectome		Farm
Visualizati	on: Network	Histogram	Distance	Matrix	Photograph	

Add another button in includes/tag buttons.html

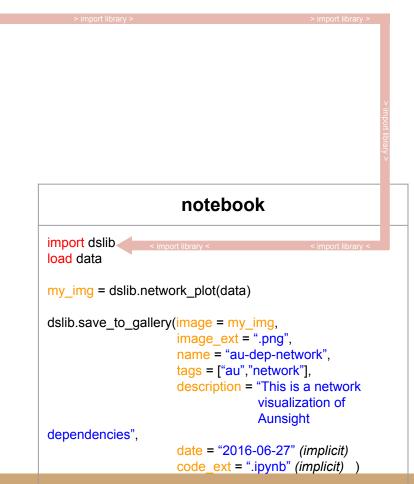
```
<strong>Dataset:</strong>
<button onclick="generate_tag_code('human-genome')">Human Genome</button>
<button onclick="generate_tag_code('human-connectome')">Human Connectome</button>
<button onclick="generate_tag_code('c-elegans-connectome')">C. Elegans Connectome</button>
<button onclick="generate_tag_code('farm')">Farm</button>
<strong>Visualization:</strong>
<button onclick="generate_tag_code('network')">Network</button>
<button onclick="generate_tag_code('histogram')">Histogram</button>
<button onclick="generate_tag_code('distance-matrix')">Distance Matrix</button>
<button onclick="generate_tag_code('photograph')">Photograph</button>
```

New tag categories can be added as well (e.g. *Presentations*, *Running time*).

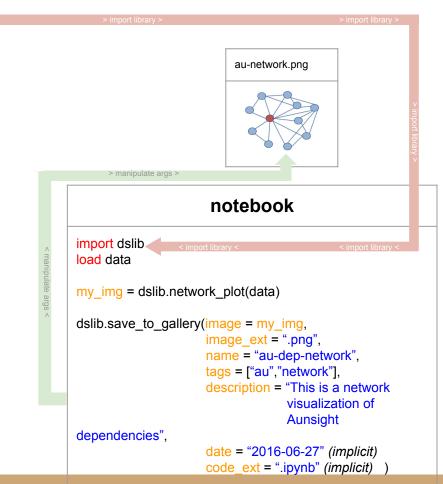
ds-gallery/ dslib/ network_plot.py save_to_gallery.py assets/ images/ au-network.png _includes/ image_list.html _posts/ 2016-06-27-au-network.markdow n scripts/ 2016-06-27-au-dep-network.ipynb

```
notebook
import dslib
load data
my img = dslib.network plot(data)
dslib.save_to_gallery(image = my_img,
                     image_ext = ".png",
                     name = "au-dep-network",
                     tags = ["au","network"],
                     description = "This is a network
                                  visualization of
                                  Aunsight
dependencies",
                     date = "2016-06-27" (implicit)
                     code_ext = ".ipynb" (implicit) )
```

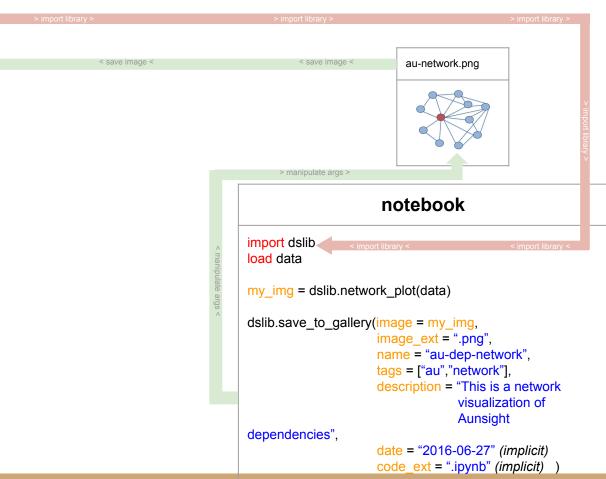
ds-gallery/ dslib/ network_plot.py save_to_gallery.py assets/ images/ au-network.png _includes/ image_list.html _posts/ 2016-06-27-au-network.markdow n scripts/ 2016-06-27-au-dep-network.ipynb



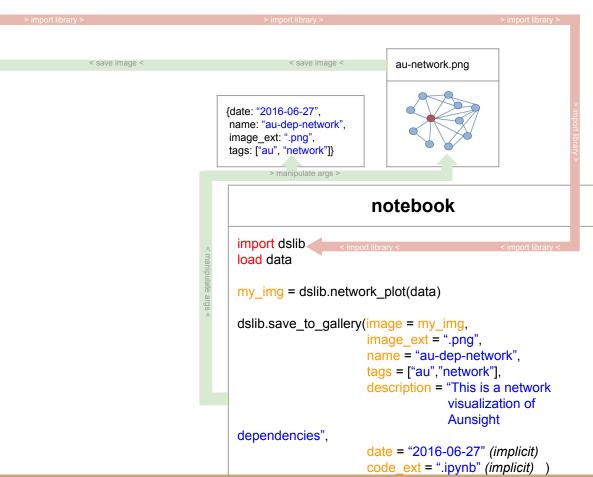
ds-gallery/ dslib/ network_plot.py save_to_gallery.py assets/ images/ au-network.png _includes/ image_list.html _posts/ 2016-06-27-au-network.markdow n scripts/ 2016-06-27-au-dep-network.ipynb



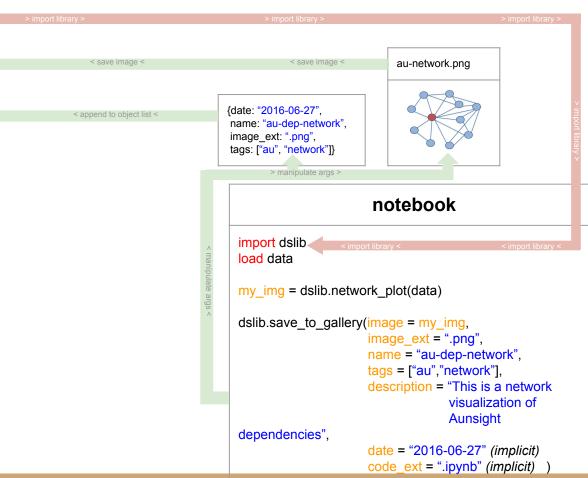
ds-gallery/ dslib/ network_plot.py save_to_gallery.py assets/ images/ au-network.png <save image < image <i no color image <i no color image _includes/ image_list.html _posts/ 2016-06-27-au-network.markdow n scripts/ 2016-06-27-au-dep-network.ipynb



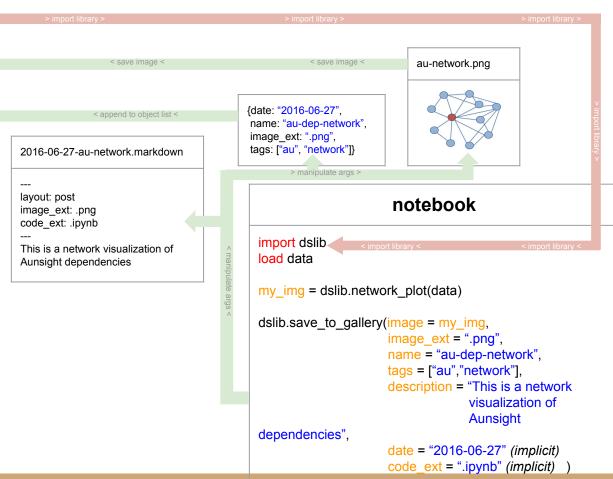
ds-gallery/ dslib/ network_plot.py save_to_gallery.py assets/ images/ au-network.png <save image < image <i no color image <i no color image </i> _includes/ image_list.html _posts/ 2016-06-27-au-network.markdow n scripts/ 2016-06-27-au-dep-network.ipynb



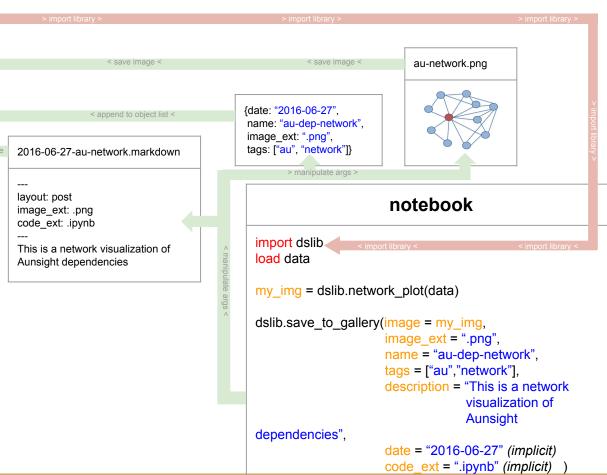
ds-gallery/ dslib/ network plot.py save_to_gallery.py assets/ au-network.png < save image < images/ image list.html includes/ < append to object list < 2016-06-27-au-network.markdow posts/ n scripts/ 2016-06-27-au-dep-network.ipvnb



ds-gallery/ dslib/ network plot.py save to gallery.py au-network.png < save image < assets/ images/ includes/ image list.html < append to object list < 2016-06-27-au-network.markdow posts/ n scripts/ 2016-06-27-au-dep-network.ipvnb



ds-gallery/ dslib/ network plot.py save to gallery.py au-network.png < save image < assets/ images/ includes/ image list.html < append to object list < save file 2016-06-27-au-network.markdow posts/ n scripts/ 2016-06-27-au-dep-network.ipvnb



ds-gallery/ dslib/ network plot.py save to gallery.py assets/ au-network.png < save image < images/ includes/ image list.html < append to object list < 2016-06-27-au-network.markdow posts/ scripts/ 2016-06-27-au-dep-network.ipvnb

2016-06-27-au-dep-network.ipynb

dslib.save_to_gallery(image = my_img, image_ext = ".png",

description = "This is a network visualization of Aunsight

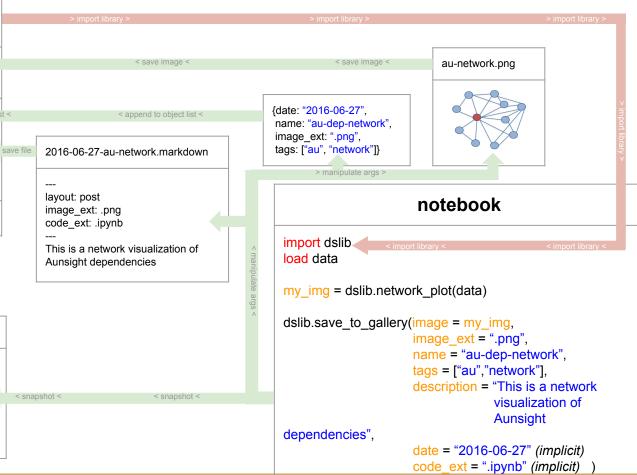
name = "au-dep-network", tags = ["au","network"],

import dslib

dependencies")

my img = dslib.network plot(data)

load data



ds-gallery/ dslib/ network plot.py save to gallery.py assets/ au-network.png < save image < images/ includes/ image list.html < append to object list < 2016-06-27-au-network.markdow posts/ 2016-06-27- J-dep-network.ipynb scripts/ 2016-06-27-au-dep-network.ipynb

dslib.save_to_gallery(image = my_img, image_ext = ".png",

description = "This is a network visualization of Aunsight

name = "au-dep-network", tags = ["au","network"],

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dependencies")

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load data

