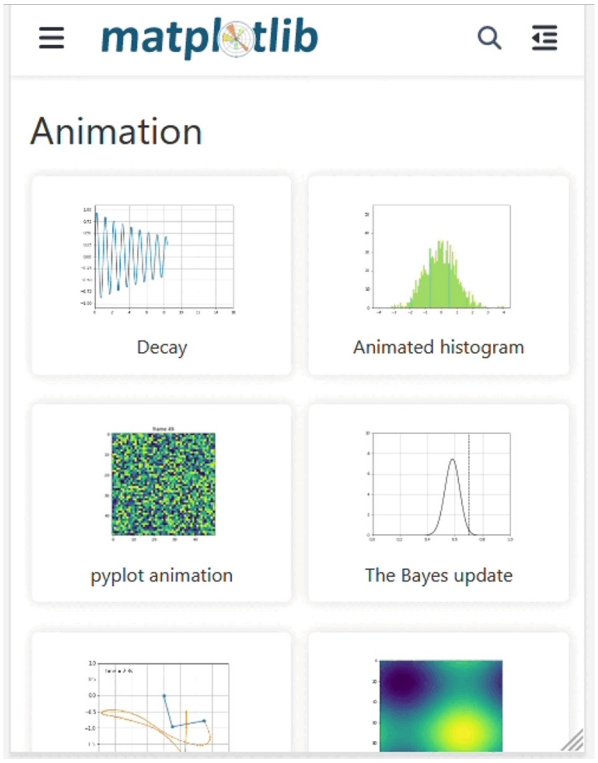
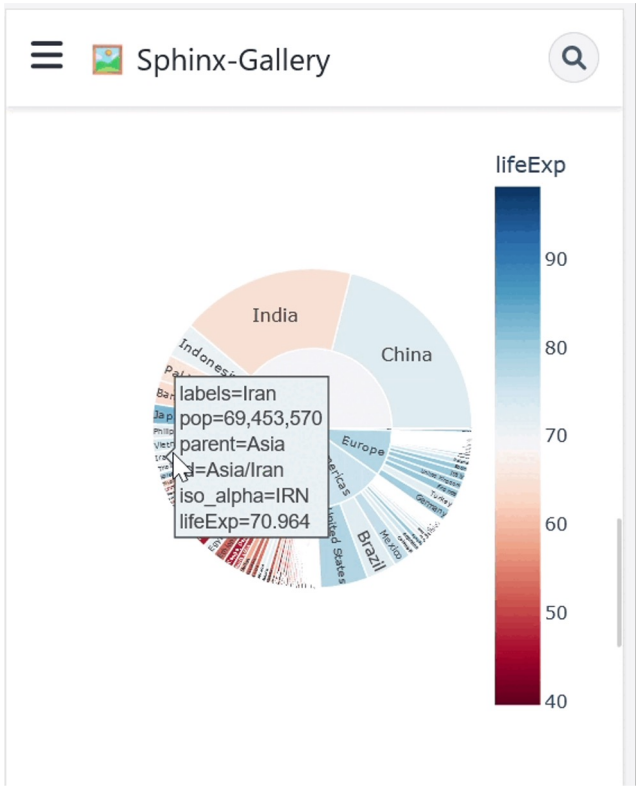
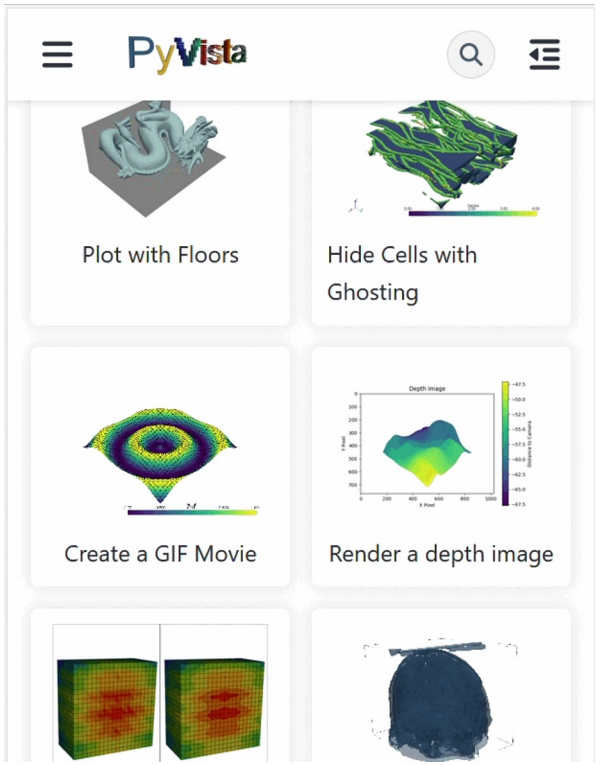
Sphinx-Gallery: Write Python, Have Gallery





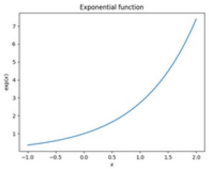


Intersphinx: connect code w/ docs

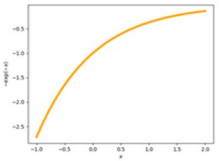
```
# plot
fig, ax = plt.subplots()

ax.bar(x, y, width=1, edgecolor="white", linewidth=0.7)

ax.set(xlim=(0, 8), xticks=np.arange(1, 8),
       ylim=(0, 8), yticks=np.arange(1, 8))
```

Minigalleries: add small galleries (subset) in docs

Examples using `numpy.exp`



Plotting the exponential function



Choosing the thumbnail figure

Identifying function names in a script

dev	Parallel gallery generation (jschueller, larsoner)
V0.16.0	ALERT: Pass fully qualified name strings to classes or callables Allow list input and wildcards for subsection order (timhoffm) Minigallery can be built from arbitrary files/glob pattern (story645)
V0.15.0	Examples recommender system (ArturoAmorQ) Text gallery entries from source files in any language (speth) Improved debugging info (larsoner) and CI/packaging (Borda) General improvements (lucyleeow) Contributing guide (lucyleeow, larsoner, story645)

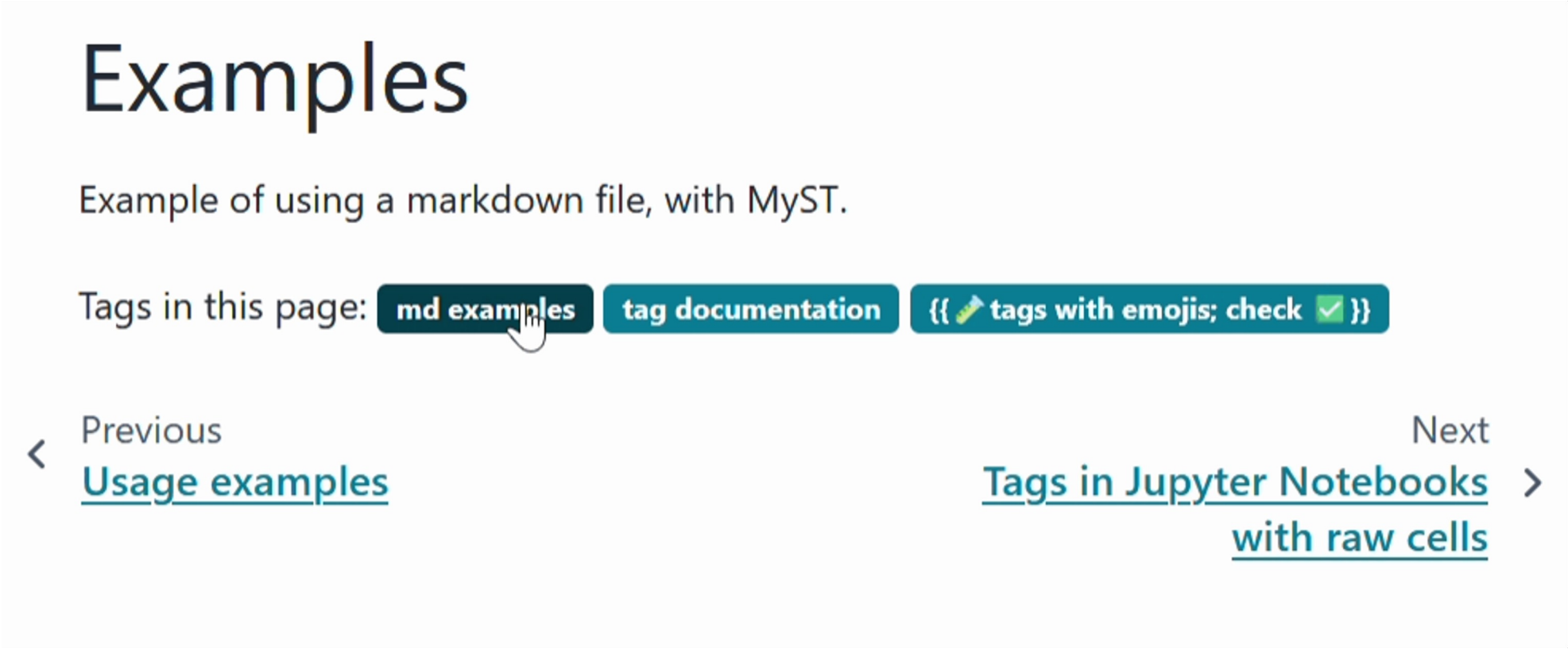
Add sphinx gallery to your project!

you can add your own scraper to capture non-matplotlib images, e.g., napari screenshots the GUI:
https://napari.org/dev/gallery/face_normals_wireframe.html

* you can capture the `_repr_html_` e.g., pandas dataframe here:
https://sphinx-gallery.github.io/stable/auto_examples/plot_3_capture_repr.html

* api usage graph to show unused API entries and/or for each module, and the examples where API entries from that module were used in:
https://sphinx-gallery.github.io/stable/sg_api_usage.html

Sphinx-tags: add tags to sphinx documents!



What's new(ish)

- Multiline tags (@melissawm)
- MyST support and tests for ref labels (@JWCook)
- reference label for rst (@lucyleeow)
- support for ipynb (@AlexTheLion123)
- Handle special characters in tags by (@JWCook)
- Add optional integration with sphinx-design badges by (@JWCook)
- CI and tests (@melissawm and @JWCook)
- support for sphinx-gallery and MyST(@melissawm)

https://sphinx-gallery.github.io

https://sphinx-tags.readthedocs.io