

March 1, 2020

Issues:

- <https://github.com/matplotlib/matplotlib/issues/16558>
 - **fig.canvas.draw() should force render**
- <https://github.com/matplotlib/matplotlib/issues/16552>
 - **Scatter plot has issues with 0 values**
- <https://github.com/matplotlib/matplotlib/issues/16583>
 - *Matplotlibrc parameter inconsistency*
- <https://github.com/matplotlib/matplotlib/issues/16461>
 - *Identical points causes bugged graph*

Potential bugs we can fix:

1.

Seems like a font display bug when the (size) kwargs are passed in different order does not seem super difficult but comments suggest it could have other side effects

<https://github.com/matplotlib/matplotlib/issues/16389>

2.

Hatches not showing up when saving to a pdf, the problem is localized but as it deals with pdf, I don't know if it might be difficult?

- Should be specific to the backend (not sure)

<https://github.com/matplotlib/matplotlib/issues/16052>

3.

fig.legend and ax.legend producing different results. Comments have some suggestions as to where to begin, but will involve comparing 2 classes.

- *Might be difficult*

<https://github.com/matplotlib/matplotlib/issues/10194>

4.

non-uniform image error when changing the figure size and offset.

<https://github.com/matplotlib/matplotlib/issues/15039>

5.

not being able to move color bars when using constrained layout. Problem seems localized to one module but comment says it may be complex.

<https://github.com/matplotlib/matplotlib/issues/14638>

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Issues :

- <https://github.com/matplotlib/matplotlib/issues/8422> - Issue with color shading
- <https://github.com/matplotlib/matplotlib/issues/15039> - Image not displaying properly when using large values on axes
- <https://github.com/matplotlib/matplotlib/issues/14118> - Axes being modified when argument is not set (maybe good for us)
- <https://github.com/matplotlib/matplotlib/issues/7679> - Animation issue, may have to change directories

Issues:

- **Function signatures:** <https://github.com/matplotlib/matplotlib/issues/16022>
- **PDF output not showing hatch marks:**
<https://github.com/matplotlib/matplotlib/issues/16052>
- *Setting ecolour turns off colour cycling:*
<https://github.com/matplotlib/matplotlib/issues/16593>
- *Cannot configure matplotlib rcparams for plot colour:*
<https://github.com/matplotlib/matplotlib/issues/16434>

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Final:

1. **(fixing this)** - Chris (write-up)

- Chris
- Harrison
- Faris (can switch)

Seems like a font display bug when the (size) kwargs are passed in different order does not seem super difficult but comments suggest it could have other side effects

<https://github.com/matplotlib/matplotlib/issues/16389>

2. Winston (write-up)

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<https://github.com/matplotlib/matplotlib/issues/16052>

3. **(fixing this)** - Vili (write-up)

- Vili
- Winston

<https://github.com/matplotlib/matplotlib/issues/16558>

<https://discourse.matplotlib.org/t/fig-draw-renderer-vs-fig-canvas-draw/20890>

- **fig.canvas.draw()** should force render

4. Harrison (write-up)

<https://github.com/matplotlib/matplotlib/issues/14118> - **Axes being modified when argument is not set (maybe good for us)**

5. Faris (write-up)

<https://github.com/matplotlib/matplotlib/issues/7679> - **Animation issue, may have to change directories** - Faris

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Step 1 - requirement engineering

- Reproduce the bug
- Understand the issue, do write-up

Step 2 - design/development

- Fix the bug

Step 3 - Testing

- Write test cases and test them
- Acceptance testing: What the user expected the outcome to be

Seen below we are doing first 3 bullet points for the first week

- We plan to be finished on Mar. 7, 11:59pm
- Meet again on Sunday Mar. 8, 11:00am

Talk about how we modified the software process (Waterfall)

PR Checklist

- ☐ Has Pytest style unit tests
- ☐ Code is [Flake 8](#) compliant
- ☐ New features are documented, with examples if plot related
- ☐ Documentation is sphinx and numpydoc compliant
- ☐ Added an entry to doc/users/next_whats_new/ if major new feature (follow instructions in README.rst there)
- ☐ Documented in doc/api/api_changes.rst if API changed in a backward-incompatible way