

Deliverable 2

Step 1: Promising bugs or features to examine further

The color of the 3D arrow head does not match that of the arrow body

<https://github.com/matplotlib/matplotlib/issues/11759>

Potential places to start investigating:

```
plt.cm.Red() (where plt = import matplotlib.pyplot as plt)
```

`changed` method on PathCollection may revert set_color

<https://github.com/matplotlib/matplotlib/issues/13131>

Potential places to start investigating:

```
changed(), set_facecolor
```

Uppercase Greek letters in italics using non-LaTeX fonts

<https://github.com/matplotlib/matplotlib/issues/11013>

Potential places to start investigating:

```
rcParams from matplotlib  
text()
```

Default filename does not strip invalid characters on windows

<https://github.com/matplotlib/matplotlib/issues/9056>

Potential places to start investigating:

```
FigureCanvasBase.get_default_filename()
```

plt.pcolormesh shape mismatch when shading='gouraud'

<https://github.com/matplotlib/matplotlib/issues/8422>

Potential places to start investigating:

Looks like the problem exists in:

```
plt.pcolormesh (where import matplotlib.pyplot as plt)
```

'bottom cannot be >= top' when using `tight_layout`

<https://github.com/matplotlib/matplotlib/issues/5456>

Might have fix pending

Potential places to start investigating:

```
plt.tight_layout() (where import matplotlib.pyplot as plt)
```

Path3DCollection from 3D scatter cannot set_color

<https://github.com/matplotlib/matplotlib/issues/13035>

Might have fix pending

Inconsistent range handling for set_xticks

<https://github.com/matplotlib/matplotlib/issues/13007>

Might have fix pending