

Issue #16796:

Add Checkboxes to Legend Controlling Subplot Visibility

Adding checkboxes to the legend

The goal for this design is to add a checkbox to the figure so we are then able to add it to the legend. To add the checkbox to the figure, we would need to create a Bbox first to set the size of how big the checkbox image will appear. Then we would create a transformBbox with the Bbox and transdata, so the we convert the box dimensions to absolute coordinates. After we would create a BboxImage using the transform Bbox and add the image data to it. To get the image data you use the Path library and use the imread function to the png file. We need to add the checkbox to the legend because our feature is being able to hide the visibility of some of the sub plots in the figure by clicking the checkbox image.

Example

Please view the add_checkbox.py to see how we create the Bboxes and adding the BboxImage to be shown in the figure.