

Acceptance Tests

As mentioned in our user guide (which can also be found in phase 4), there are three main ways to use our function, the same ways you can use *legend()*.

Test 1 – *legend(labels, handles)*

checkboxLegend(parent, labels, handles) should function the same as *parent.legend(labels, handles)* other than adding interactive checkboxes

Steps to reproduce

1. Set up the directory with our new feature, instructions will be in user guide found in phase 4
2. Create and run a python file that imports our function
3. Then to test it, create 2 figures, add elements to both, and create a legend using *parent.legend(labels, handles)* in one figure and *checkboxLegend(parent, labels, handles)* in the other
an example file is provided at Acceptance_tests/test1.py
4. Verify the following
 - a. The legend has checkboxes that toggle the respective element's visibilities
 - b. *checkboxLegend(parent, labels, handles)* otherwise functions the same as *parent.legend(labels, handles)*

Test 2 – *legend(labels)*

checkboxLegend(parent, labels) should function the same as *parent.legend(labels)* other than adding interactive checkboxes

Steps to reproduce

1. Set up the directory with our new feature, instructions will be in user guide found in phase 4
2. Create and run a python file that imports our function
3. Then to test it, create 2 figures, add elements to both, and create a legend using *parent.legend(labels, handles)* in one figure and *checkboxLegend(parent, labels, handles)* in the other
an example file is provided at Acceptance_tests/test2.py
4. Verify the following
 - a. The legend has checkboxes that toggle the respective element's visibilities
 - b. *checkboxLegend(parent, labels)* otherwise functions the same as *parent.legend(labels)*

Test 3 – *legend()*

checkboxLegend(parent) should function the same as *parent.legend()* other than adding interactive checkboxes

Steps to reproduce

1. Set up the directory with our new feature, instructions will be in user guide found in phase 4
2. Create and run a python file that imports our function
3. Then to test it, create 2 figures, add elements **with labels** to both, and create a legend using *parent.legend(labels, handles)* in one figure and *checkboxLegend(parent, labels, handles)* in the other
an example file is provided at Acceptance_tests/test3.py
4. Verify the following
 - a. The legend has checkboxes that toggle the respective element's visibilities
 - b. *checkboxLegend(parent)* otherwise functions the same as *parent.legend()*