

Unit Tests for data\_display:

graphData: I passed a dictionary with known values for the keys (time, humidity, moisture, temperature, and sunlight) and arrays into the graphData function. Then I checked the values of the arrays (time, humidity, moisture, temperature, and sunlight) against the values of the arrays in the dictionary.

getHum: I passed known values for the arrays time and hum into the getHum function. Then I checked the values of xAxis[0].data and series[0].data against the known values of time and hum.

getMoist: I passed known values for the arrays time and moist into the getMoist function. Then I checked the values of xAxis[0].data and series[0].data against the known values of time and moist.

getTemp: I passed known values for the arrays time and temp into the getTemp function. Then I checked the values of xAxis[0].data and series[0].data against the known values of time and temp.

getSun: I passed known values for the arrays time and sun into the getSun function. Then I checked the values of xAxis[0].data and series[0].data against the known values of time and sun.

getDefaultOptions: I set the chart's options field in home.ts to the result of getDefaultOptions. I checked the chart display to see that the correct default options were displayed.