

Test ID: 2

Test name: Sortable Bar chart

Description: Validate the extension is showing the correct data

Test status: Completed

Test case #	Scenario	Steps	Expected output	Actual output	Pass / Fail
2.1	The Bar Chart is drawn upon launch.	Click on the extension name on the side bar in the menu.	Bars are graphically represented, displaying country names on the y-axis and percentage values beside each bar.	As expected	Pass
2.2	The X-axis and Y-axis accurately correspond to the data and display accordingly.	Click on the extension name on the side bar in the menu.	The X and Y axes accurately correspond to the data retrieved from the CSV.	As expected	Pass
2.3	The month changes as the slider is adjusted.	Interact with the slider and move it accordingly to the desire years.	Bars have distinct lengths that correspond to the values on the x-axis.	As expected	Pass
2.4	Bar values are dynamically updated when the month changes.	Interact with the slider.	Bars are redrawn with varying lengths to reflect changes in population data percentage.	As expected	Pass
2.5	Bars consistently maintain their ranking from highest to lowest value, even with changing datasets.	Interact with the slider.	Percentage values and associated countries change with different months.	As expected	Pass
2.6	Bar percentages are updated when the month changes.	Interact with the slider.	Percentage displays dynamically adjust to match the length of each bar.	As expected	Pass
2.7	Bar names reflect their ranking as the month changes.	Interact with the slider.	Country names aligned with the bars change accordingly.	As expected	Pass
2.8	Details of each bar are displayed upon hovering the mouse over them.	Hover mouse above the bar.	Hovering over a bar reveals details about the country and its population number.	As expected	Pass

2.9	Accurate data for "Country" is shown.	Hover mouse above the bar.	Correct country names are displayed on the y-axis.	As expected	Pass
2.10	Accurate data for "Population" numbers is displayed.	Hover mouse above the bar.	Accurate population numbers are shown.	As expected	Pass