

Create a Chart in 3 Steps

Part Two

1

2

3



SimpleChartsRI

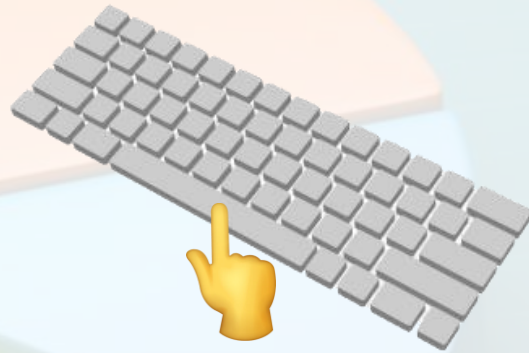
Create a Chart

1332 Charts Created

Online Etiquette



Mute yourself



Press spacebar
to unmute



Want to speak



Yes/Agree



RHODE ISLAND CONSORTIUM FOR
Coastal Ecology
Assessment
Innovation &
Modeling

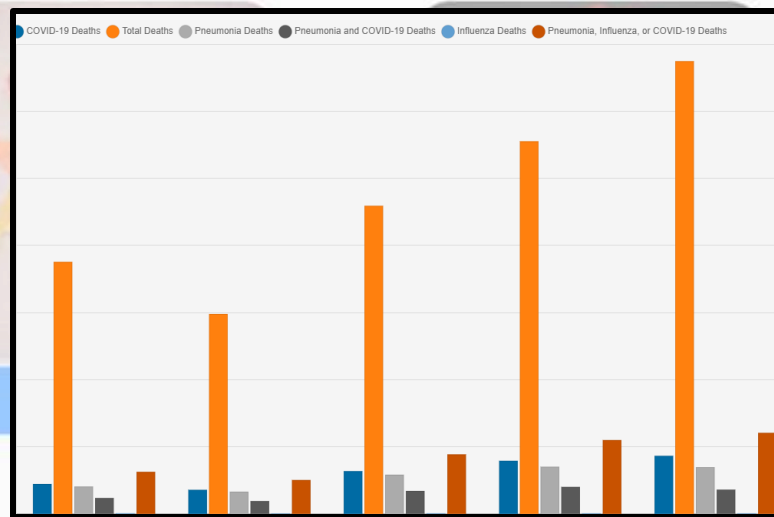


This material is based upon work supported in part by the National Science Foundation under EPSCoR Cooperative Agreement #OIA-1655221

Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

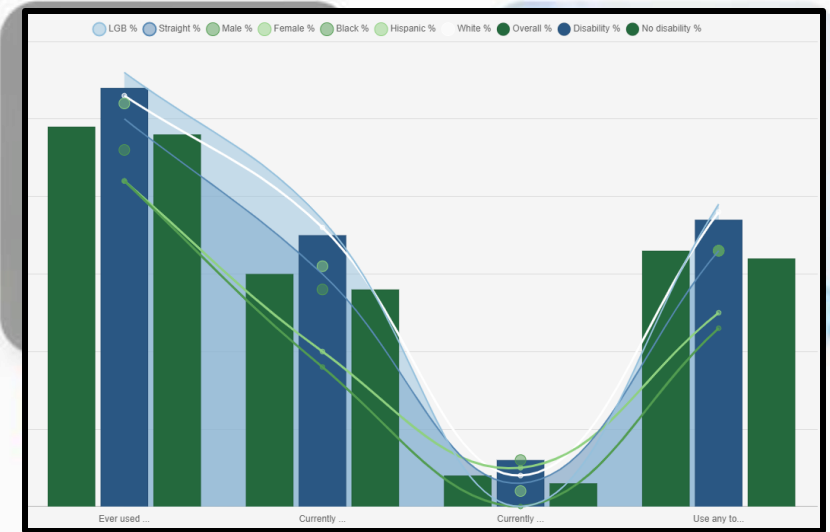
What is SimpleChartsRI?

- SimpleChartsRI is a web-based tool that helps users create visualizations.
- It provides fundamental charting options that enables users to simply create charts, without downloading a program or paying a fee.
- It is becoming a hub for data visualization resources and work-based projects for Rhode Island students.



Airlines

Billionaires



Gas Prices

US Construction

Step 1: Choosing Data

- There is a selection of pre-loaded datasets that you can just click on!
- There are both simple and complex datasets.
- You can create data using our embedded table which can be manipulated.
- You can upload a CSV file of your data.

Choose Sample Create Data Upload File

Upload file...



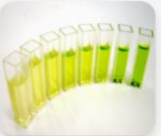


Supported file types: csv.

Choose Sample Create Data Upload File

Right click the table to bring up a menu.
For best results, delete all empty columns/rows and rename the headers (A, B, C) with the dataset's names.

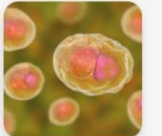




	A	B	C
1			
2			
3			
4			
5			

Annual Catch Conimicut Point Ocean Chlorophyll F.I.-W.R Water Greenwich Bay

Options Options Options Options Options

Chlamydia Obesity Rates Health Mental Health Physically Active Status Drinking/Substance Use

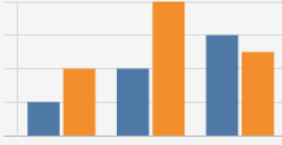






Options Options Options Options Options

Step 2: Chart Type

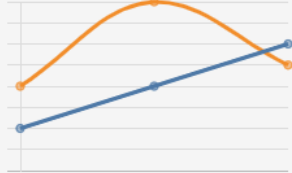
- There are five chart types to choose from.
 - Bar Chart, Line Chart, Pie chart, Scatter Chart, Area Chart
- Best use cases for each type is explained on this page.

Bar Chart




Create

Line Chart



Create


Pie Chart



Create

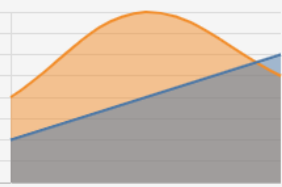
Chart Type	Uses
Bar	Comparisons
Line	Showing trends over time.
Pie	Compositions.
Scatter	Relationships and distributions
Area	Showing trends over time.

Scatter Chart



Create

Area Chart



Create



US Construction

Step 3: Customization & Interaction

Customizations include:

- Labels can be changed.
 - Chart title, X-Axis, Y-Axis
- There are a variety of color schemes to choose from.
- Other chart customizations
 - Hiding legend, changing chart to horizontal or stacked, mixing chart types

Dataset

Bottom Temperature (Celcius) ?

Dataset's Chart Type

Bar ?

Chart Type for All Datasets

Bar ?

3) Customize & Interact

Click & drag on the chart to pan. Scroll to zoom. Hover over chart elements to see their respective values. Hover over datasets in the legend to bring them into focus, or click them to hide/show them.

Chart Title

chart title ?

X-Axis Label

x-axis label ?

Y-Axis Label

y-axis label ?

Color Style

Pick a color style ?

Hide Legend ? Horizontal ?

Stacked ?

Color Style

Pick a color style ?

Style 1

Style 2

Style 3

Style 4

Style 5

Style 6

Style 7

Style 8

Style 9

Style 10

Style 11

Style 12

Style 13

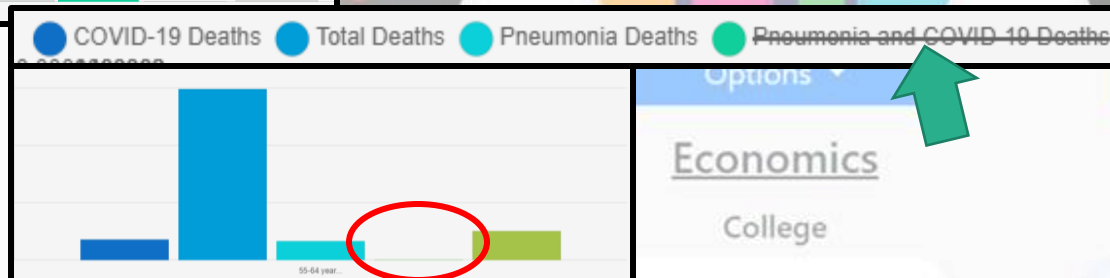
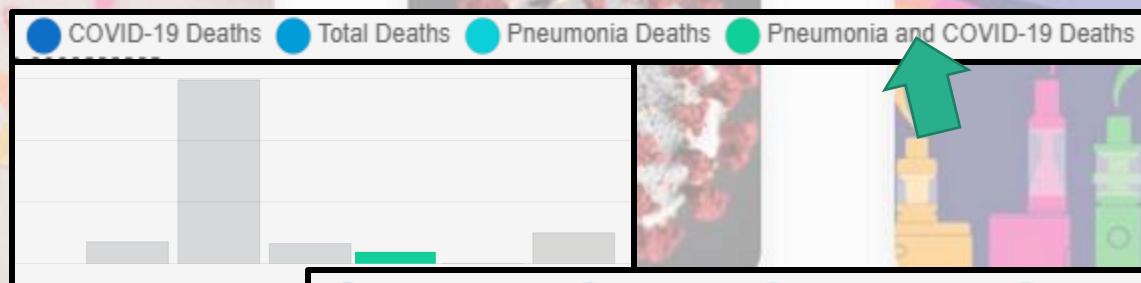
Style 14

Style 15

Step 3: Customization & Interaction

Interactions include:

- Zooming out and in
- Hovering over data legend to focus on a column of data
- Hiding columns of data by clicking on the data titles on the legend
- You can also edit the chart data and download a PNG of it!

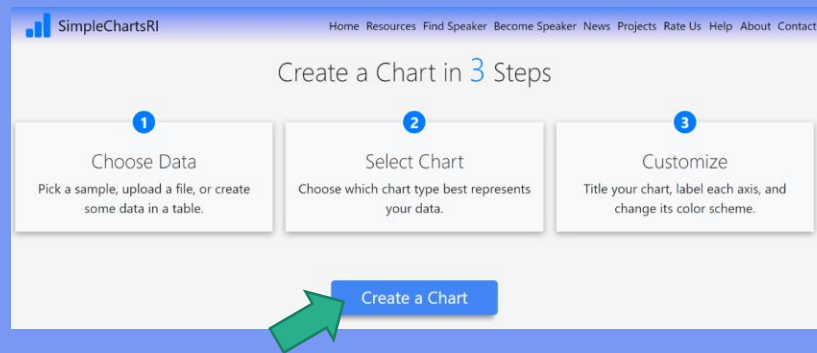


	Age Group	COVID-19 Deaths	Total Deaths	Pneumonia D
1	Under 1 year	74	25108	273
2	0-17 years	295	44028	733
3	1-4 years	36	4522	146
4	5-14 years	103	7306	211
5	15-24 years	886	47294	1021
6	18-29 years	2204	83557	2388
7	25-34 years	3968	97944	3875
8	30-39 years	6403	119154	5846
9	35-44 years	10160	140863	9026
10	40-49 years	17271	179091	14665

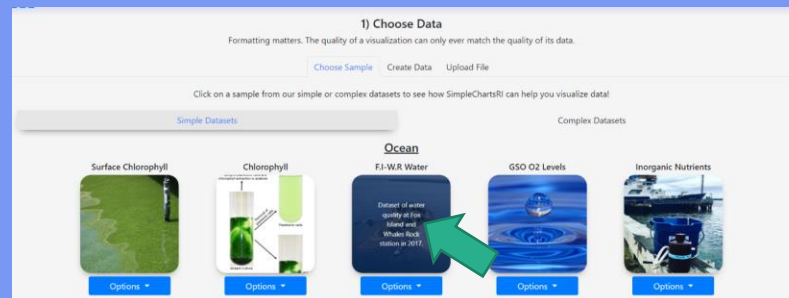
Save changes Cancel Changes

Demo

1. On the front page click Create a Chart to be led to the chart creation page.

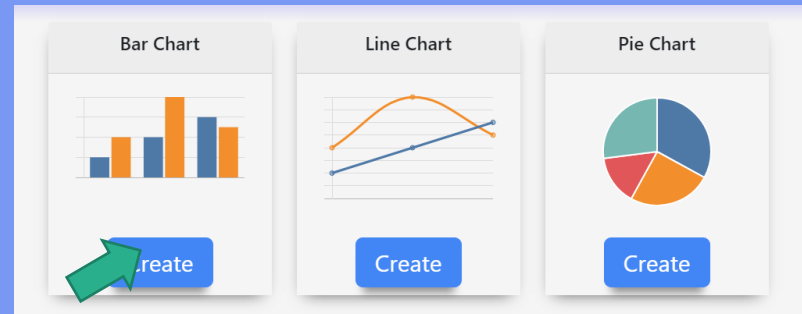


2. On the choose data page, you can create visuals from sample datasets provided by SimpleChartsRI. Click on one of the datasets.



Demo

- When a dataset is chosen or uploaded, you are taken to step 2 that allows you to select the type of chart you'd like to create. Press on 'Create'.



- Once a chart type is chosen you are given options to input a chart title, x-axis label, and a y-axis label. Change those labels to fit the sample you've selected.

The screenshot shows a configuration form with three input fields. The first field is labeled 'Chart Title' and contains the placeholder text 'chart title' with a question mark icon to its right. The second field is labeled 'X-Axis Label' and contains the placeholder text 'x-axis label' with a question mark icon to its right. The third field is labeled 'Y-Axis Label' and contains the placeholder text 'y-axis label' with a question mark icon to its right. Green arrows point to each of these three input fields.

Demo

5. Color styles for the bars/lines/etc. are given for you to choose. Choose the best scheme for your eyes or one that represents the data best.

The image shows a user interface for selecting a color style for a chart. On the left, a dropdown menu labeled "Color Style" has a blue button with the text "Pick a color style" and a question mark icon. A green arrow points to this button. To the right of the dropdown is a list of 15 color styles, each represented by a row of colored squares. A green arrow points from the fourth style in the list to a preview chart on the right. The preview chart is a grouped bar chart with four groups of bars. Each group contains four bars of different heights, colored according to Style 4: dark blue, orange, grey, and light blue.

Color Style

Pick a color style ?

Style 1

Style 2

Style 3

Style 4

Style 5

Style 6

Style 7

Style 8

Style 9

Style 10

Style 11

Style 12

Style 13

Style 14

Style 15

Demo

6. There is also options to hide the legend and change the bar chart to be horizontal or stacked. Click to check on and off the settings and see how they affect your chart.

Hide Legend ? Horizontal ? Stacked ?

Dataset

ChlorophyllSurface (ug L-1) ?

Dataset's Chart Type

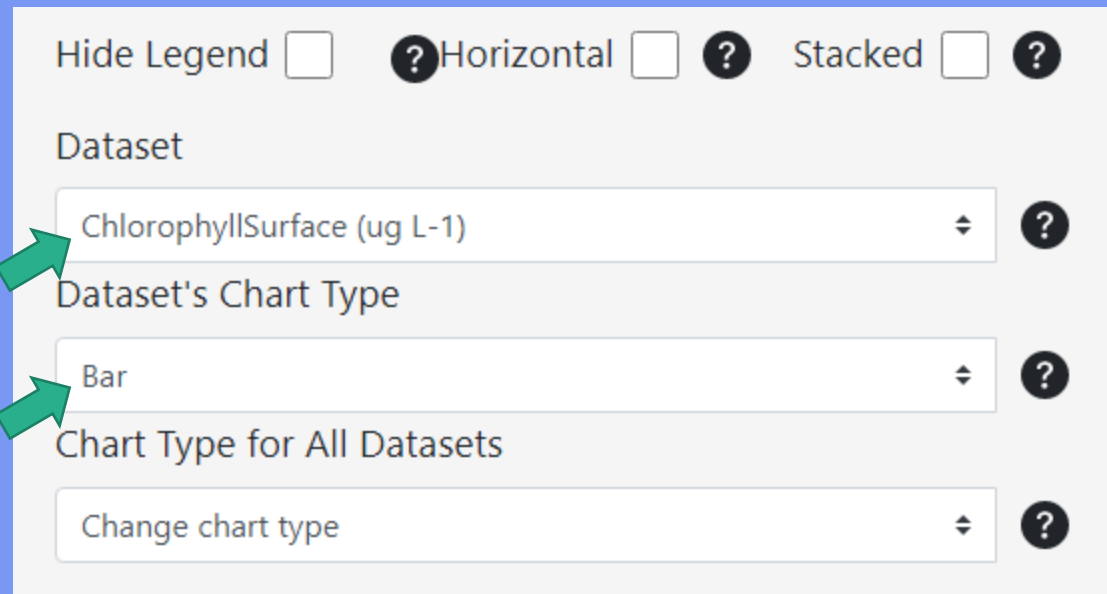
Bar ?

Chart Type for All Datasets

Change chart type ?

Demo

7. There is also an option to change part of the dataset by changing its chart type. Click on the first drop down menu, 'Dataset', and select one of the datasets. Now to change its chart type, change 'Dataset's Chart Type'. You can change multiple as well so try it out.



Hide Legend ? Horizontal ? Stacked ?

Dataset

ChlorophyllSurface (ug L-1) ?

Dataset's Chart Type

Bar ?

Chart Type for All Datasets

Change chart type ?

Two green arrows point to the 'ChlorophyllSurface (ug L-1)' and 'Bar' dropdown menus.

Demo

8. The chart type you choose for the whole dataset isn't set in stone. You can change that by clicking on the *'Chart Type for All Datasets'* drop down menu.

Hide Legend ? Horizontal ? Stacked ?

Dataset


ChlorophyllSurface (ug L-1) ?

Dataset's Chart Type

Bar ?

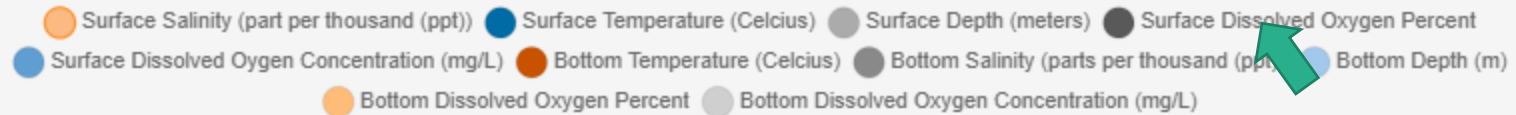
Chart Type for All Datasets

Change chart type ?

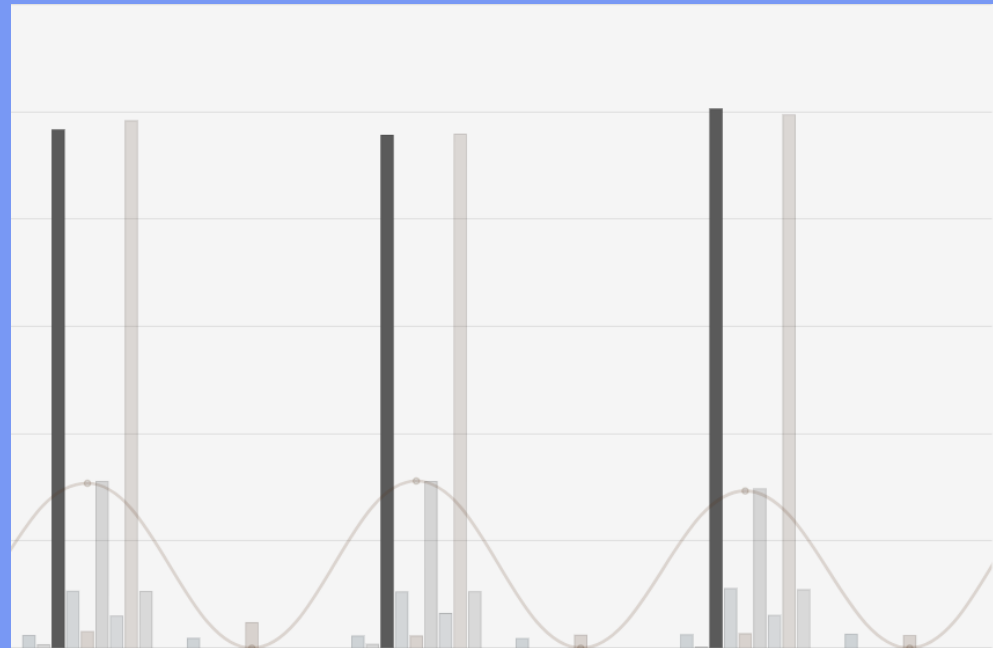


Demo

9. When interacting with the chart itself, you can focus on a piece of data by hovering over a dataset in the legend.

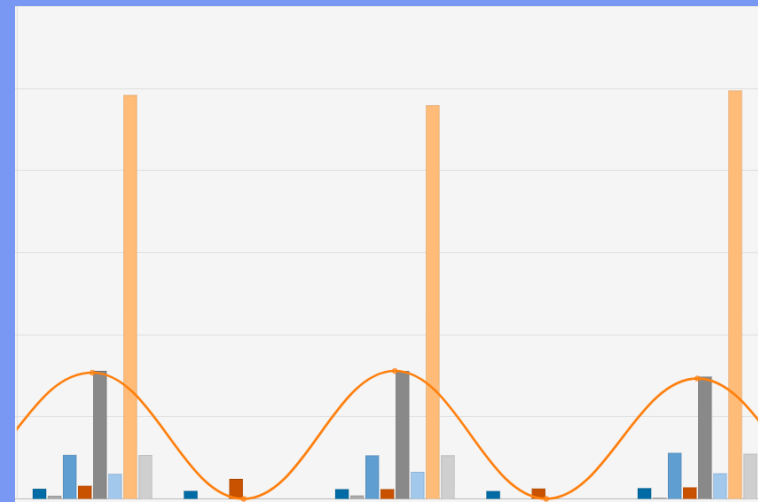
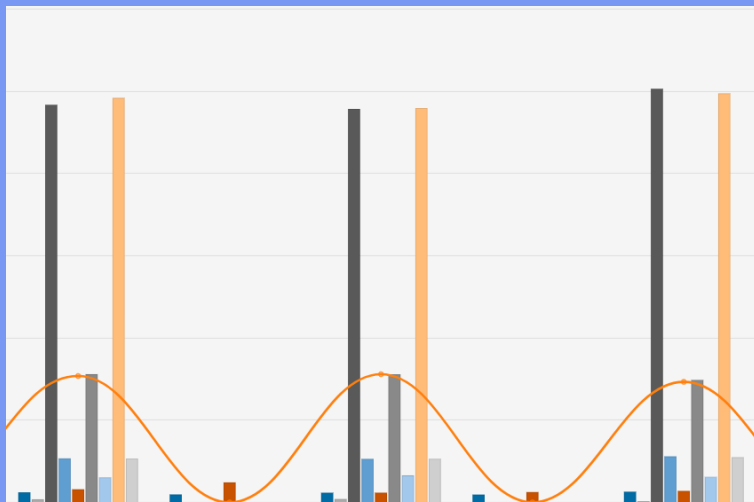
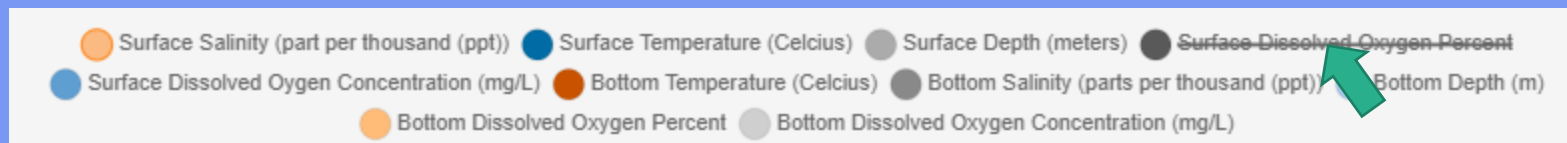


● Surface Salinity (part per thousand (ppt)) ● Surface Temperature (Celcius) ● Surface Depth (meters) ● Surface Dissolved Oxygen Percent
● Surface Dissolved Oxyen Concentration (mg/L) ● Bottom Temperature (Celcius) ● Bottom Salinity (parts per thousand (ppt)) ● Bottom Depth (m)
● Bottom Dissolved Oxygen Percent ● Bottom Dissolved Oxygen Concentration (mg/L)



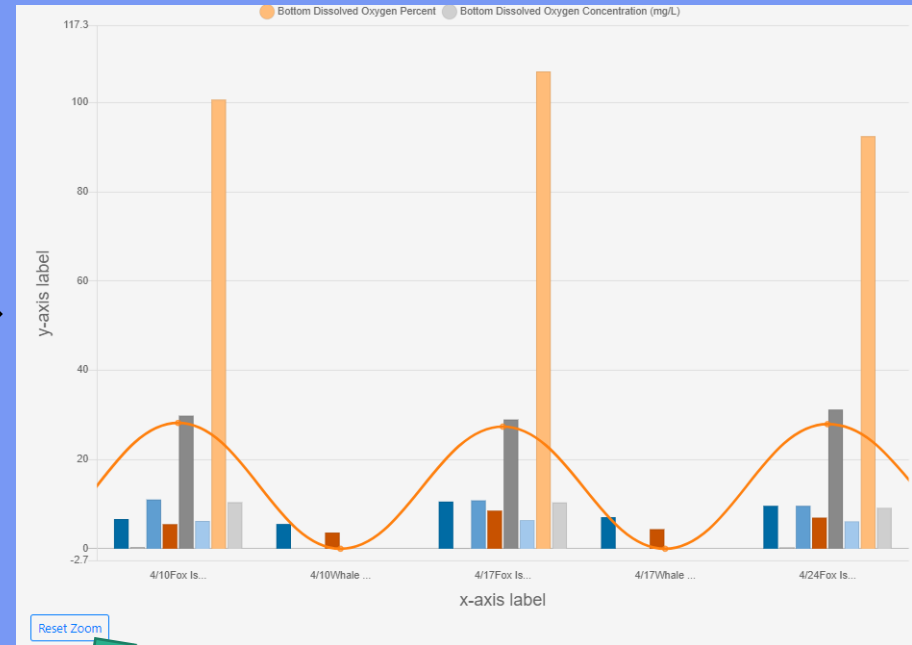
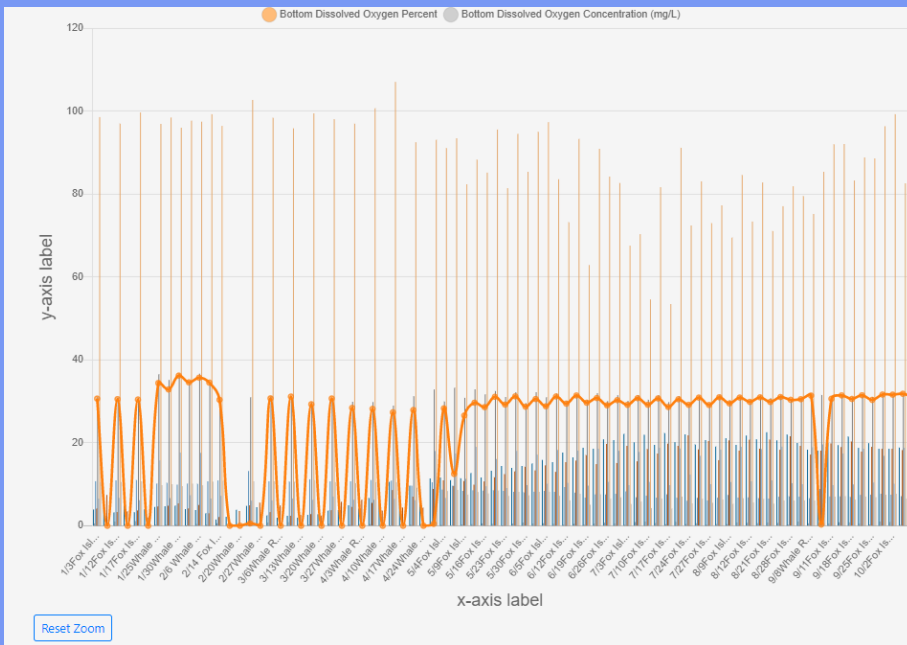
Demo

10. You can also hide a piece of data by clicking it in the legend which will strike it out.



Demo

11. You can also focus in on a smaller portion of a big dataset by scrolling in to zoom on the chart itself. You can also zoom out and reset the zoom by click on the 'Reset Zoom' button on the bottom.



Demo

12. You can also use our edit data feature by clicking on the *'Edit Chart Data'* button. You will then see your data in tabular form which can be edited and saved to affect your chart instantly.

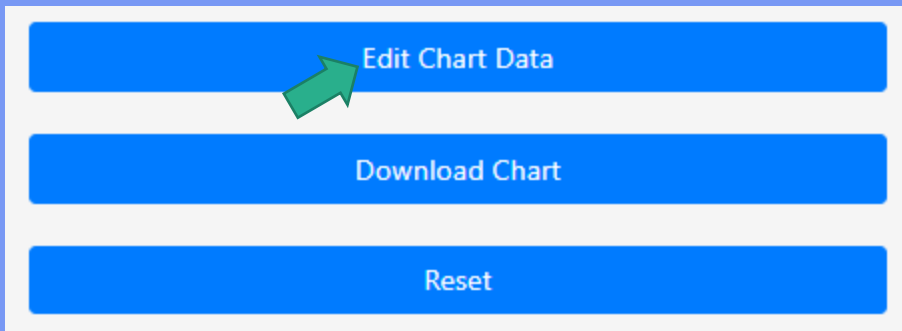


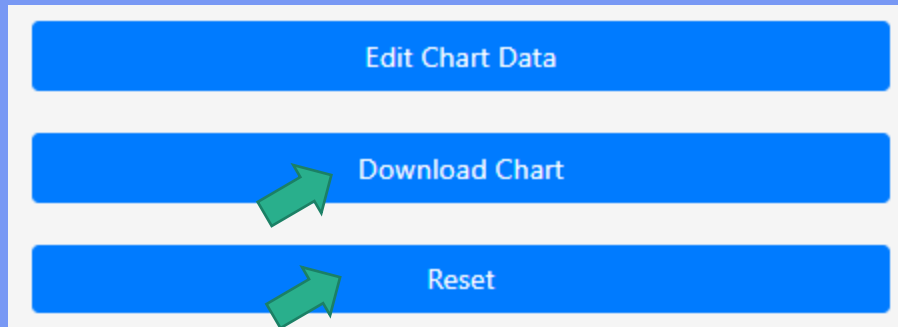
Chart Data

	Date / Station	Surface Temperature (Celcius)	Surface Salinity (part per thousand)	Surface Depth (m)
1	1/3Fox Island	3.9	30.68	0.57
2	1/3Whale Rock	5.4	0	0
3	1/12Fox Island	3.16	30.55	0.94
4	1/12Whale Rock	5.2		
5	1/17Fox Island	3.21	30.46	1.09
6	1/17Whale Rock	3.9		
7	1/25Whale Rock	4.53	34.44	0.224
8	1/25Fox Island	4.63	32.89	0.2
9	1/30Whale Rock	4.79	36.24	0.34
10	1/30Fox Island	4.01	34.6	0.078

Save changes Cancel Changes

Demo

13. Lastly, you can also download the chart as a PNG file and reset all the changes that you made by click on the last two buttons.





Survey

Please take this time to rate our website
at <http://simplechartsri.com/rate-us.php>.