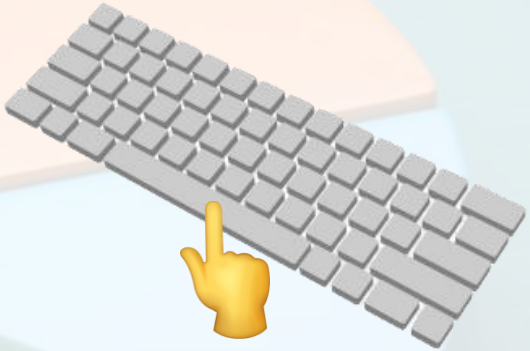
Part Two

SimpleChartsRI

Online Etiquette

Mute yourself



Press spacebar to unmute

Want to speak

Yes/Agree

RI CoAIM
RHODE ISLAND CONSORTIUM FOR
Coastal Ecology Assessment Innovation & Modeling

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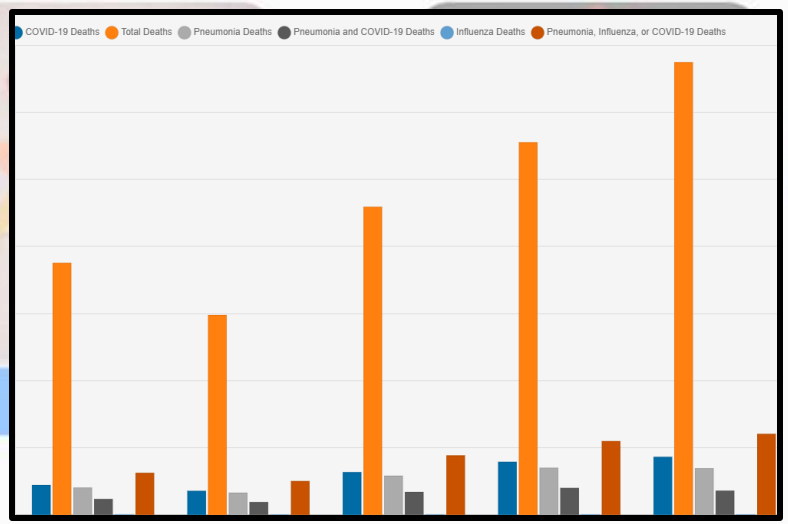
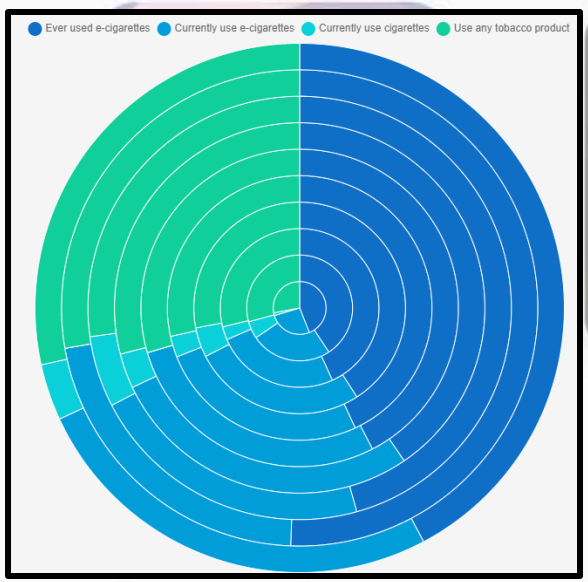
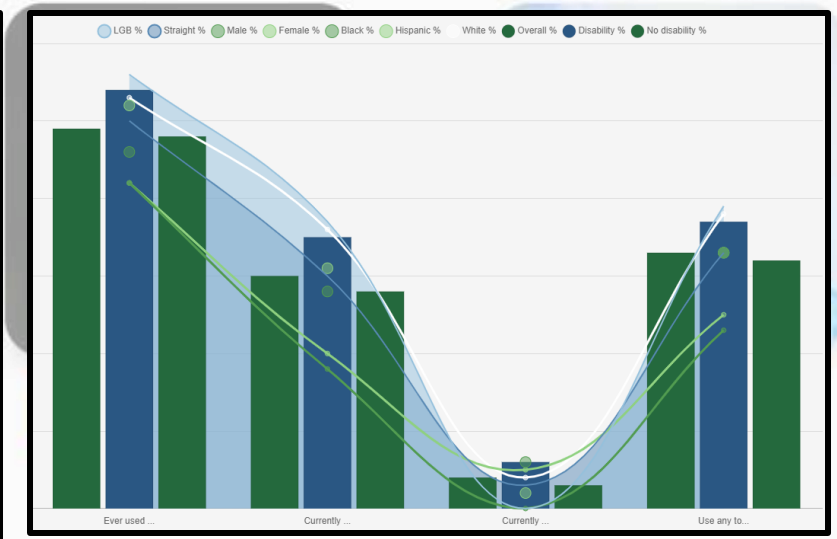
SimpleChartsRI

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.



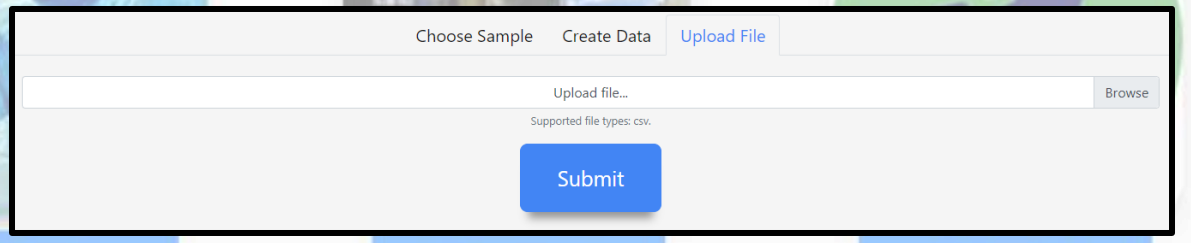


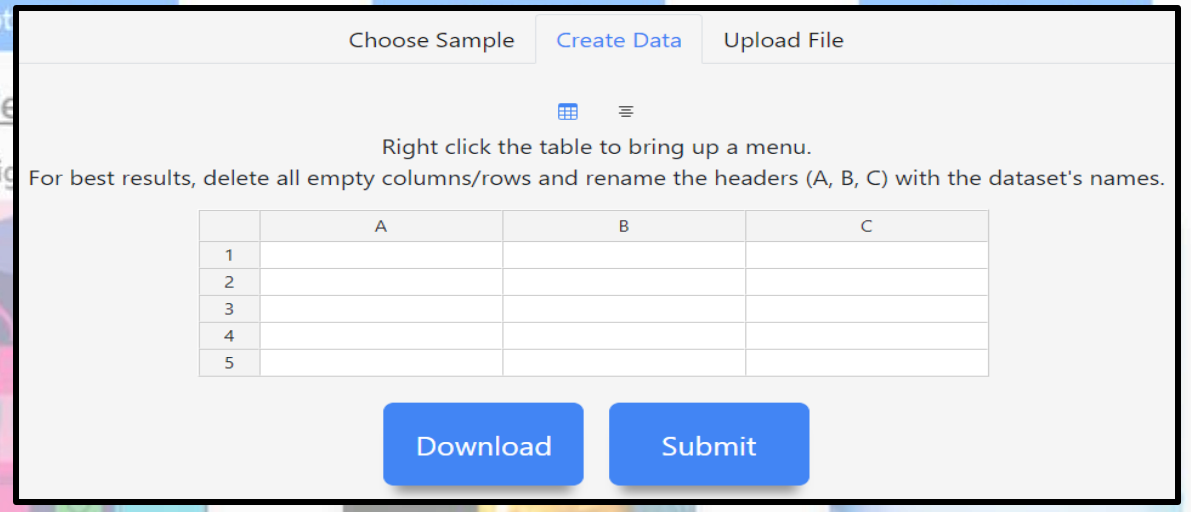


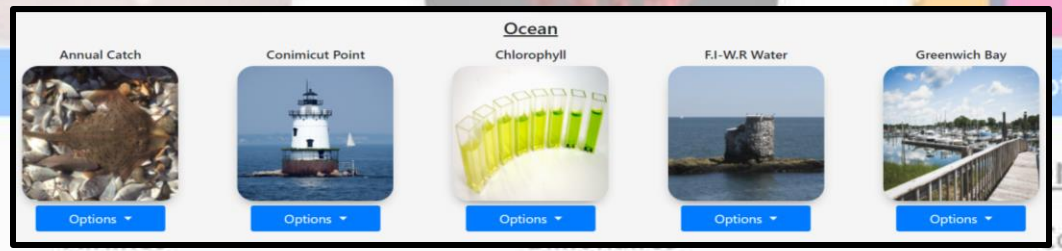
SimpleChartsRI

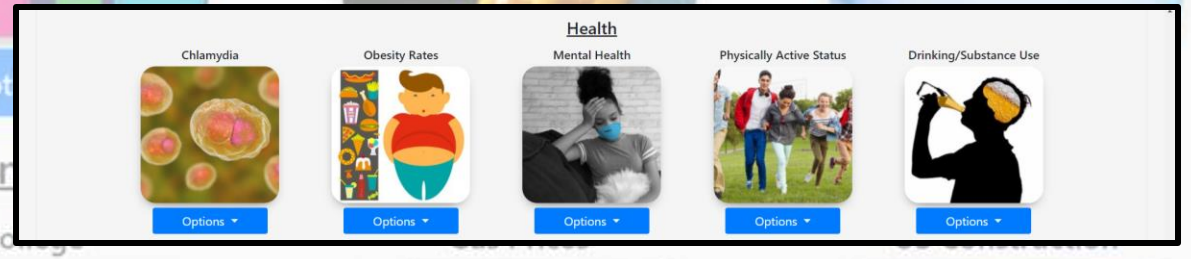
Step 1: Choosing Data

- 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.









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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.

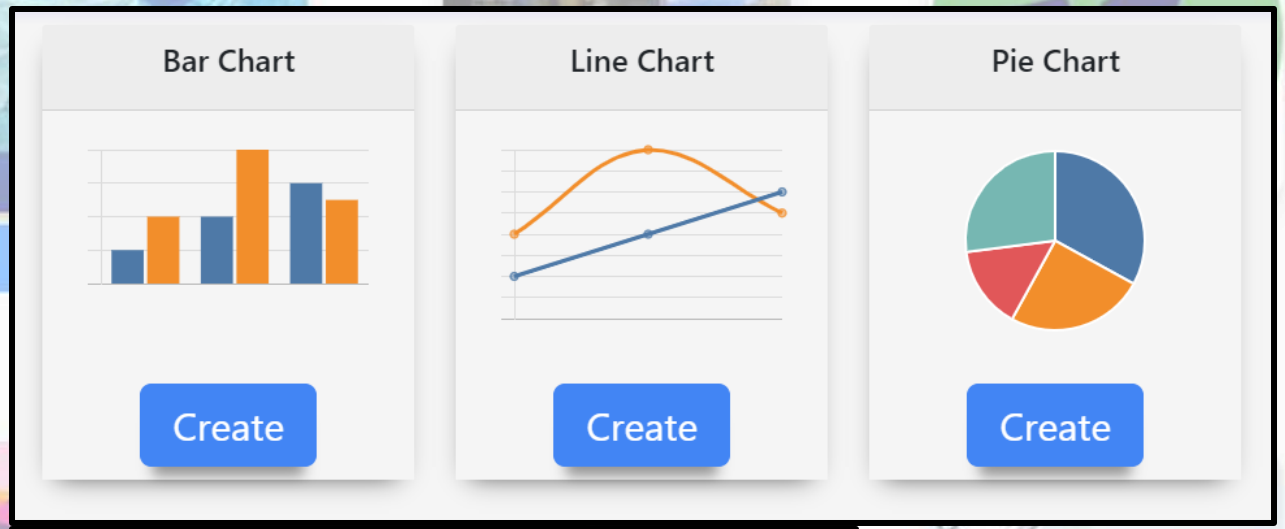
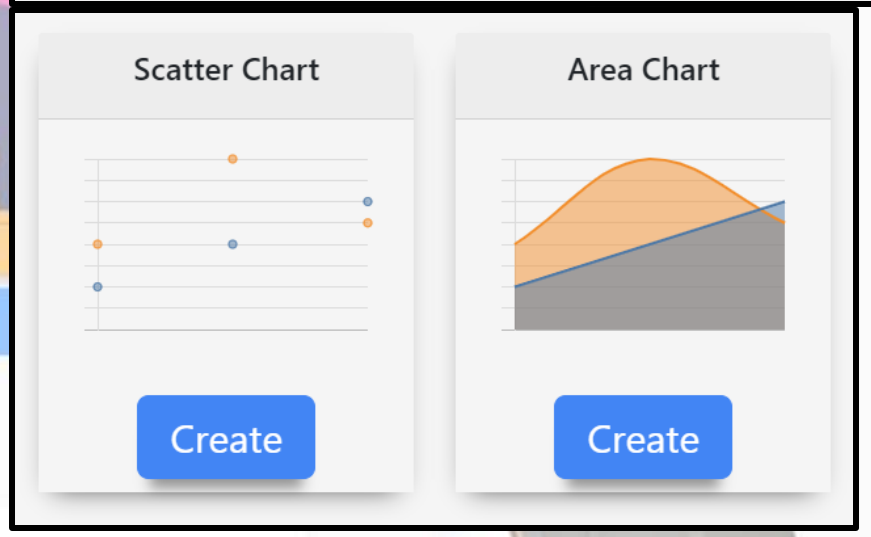


Chart Type	Uses
Bar	Comparisons
Line	Showing trends over time.
Pie	Compositions.
Scatter	Relationships and distributions
Area	Showing trends over time.



US Construction

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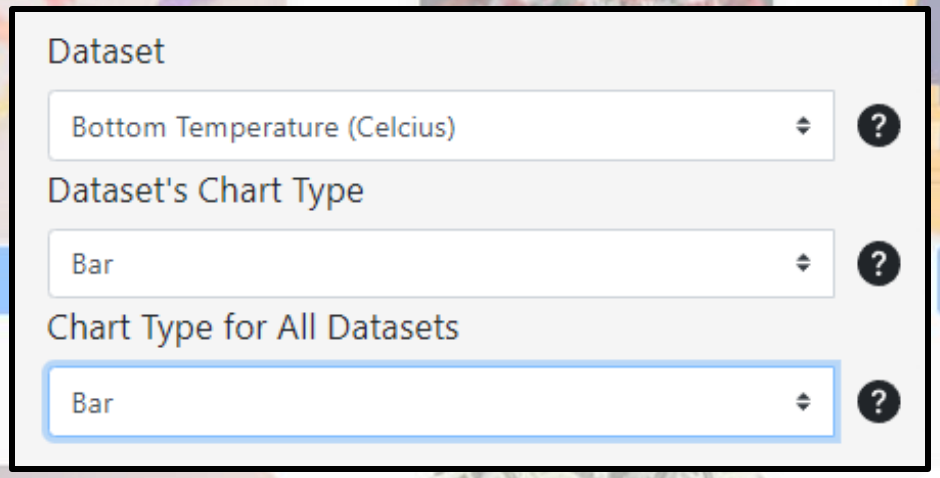
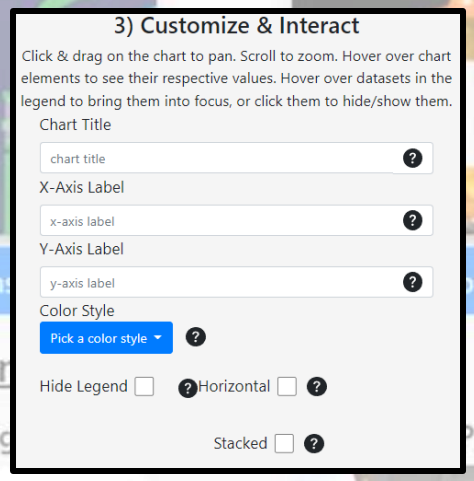
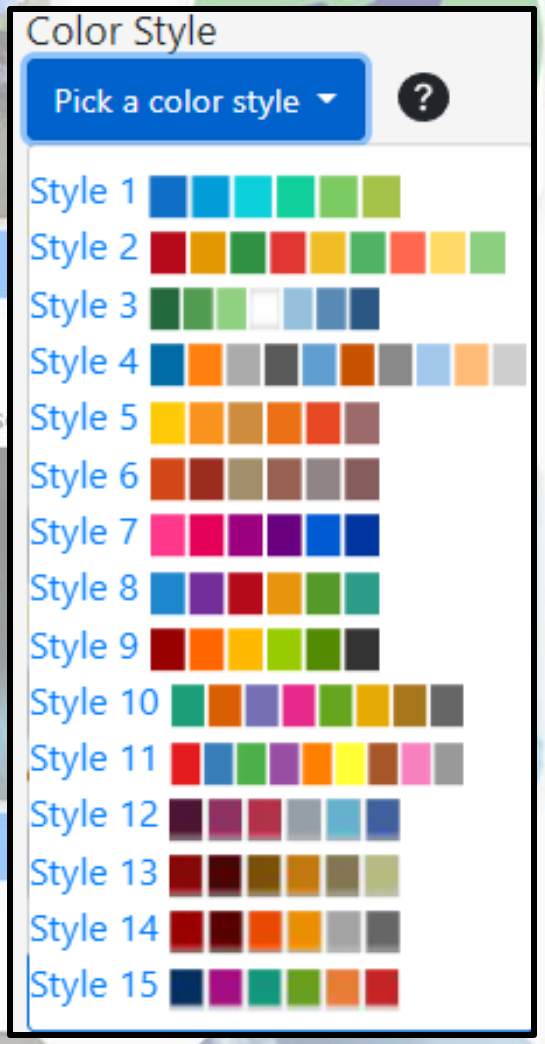
Step 3: Customization & Interaction

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







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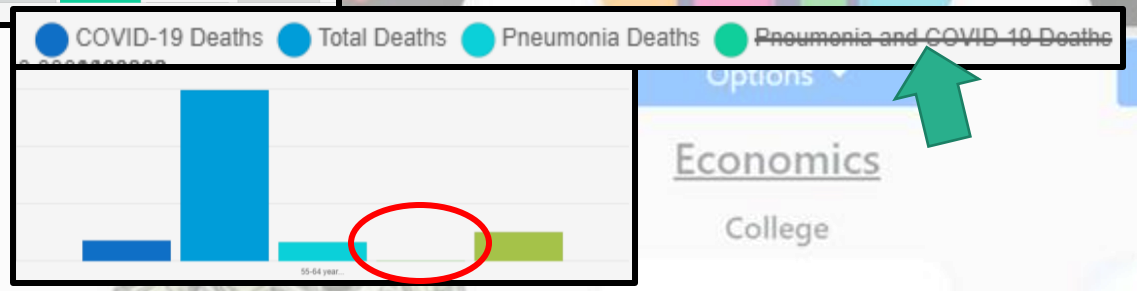
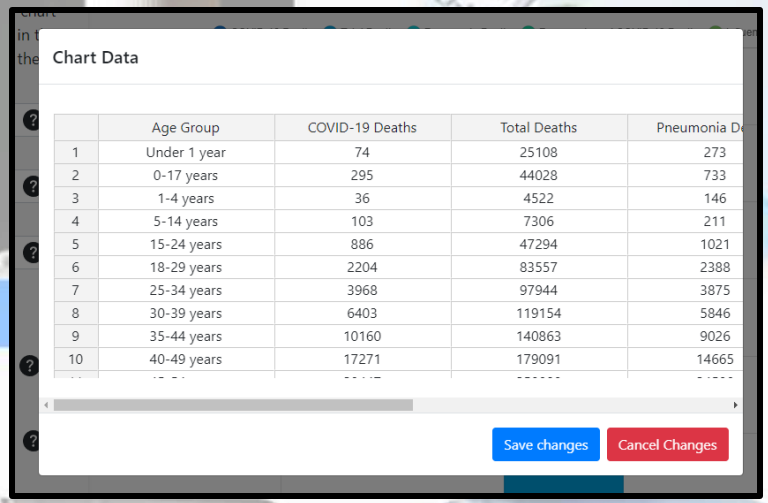
Step 3: Customization & Interaction

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!

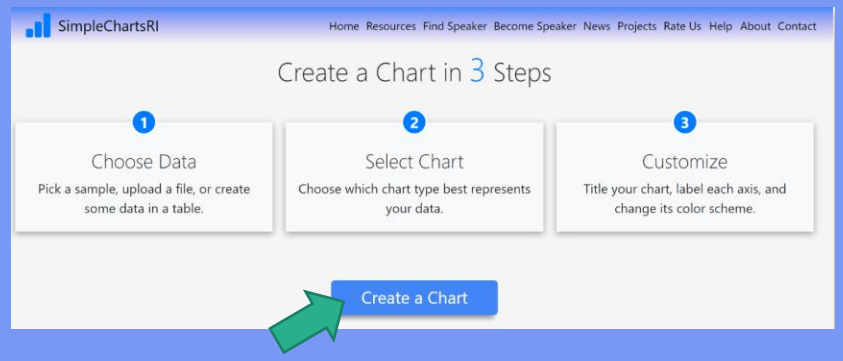




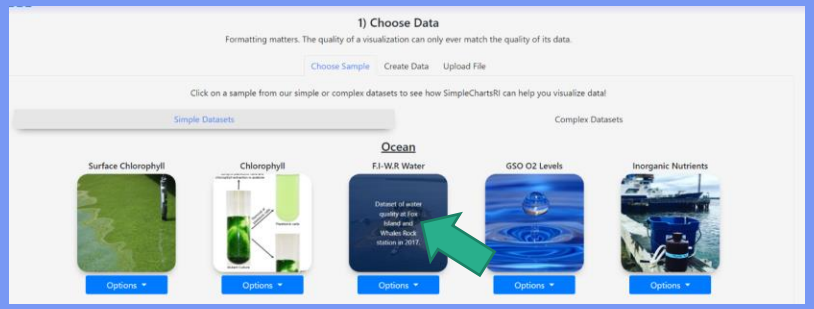
SimpleChartsRI

Demo

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



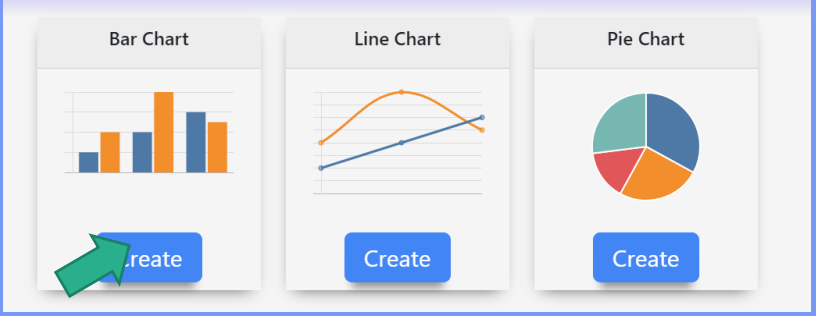
2. On the choose data page, you can create visuals from sample datasets provided by SimpleChartsRI. Click on one of the datasets.



SimpleChartsRI

Demo

3. 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*'.

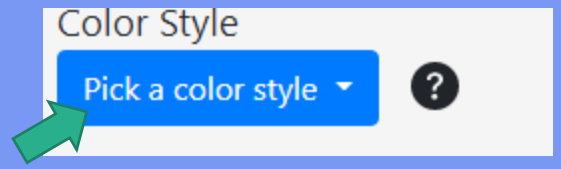


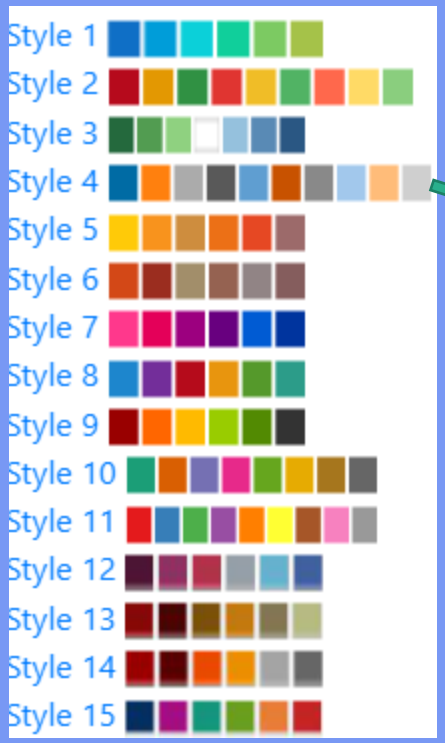
4. Once a chart type is chosen you are given options to input a chart title, x-axis label, and a y-axis label. Change those labels to fit the sample you've selected.

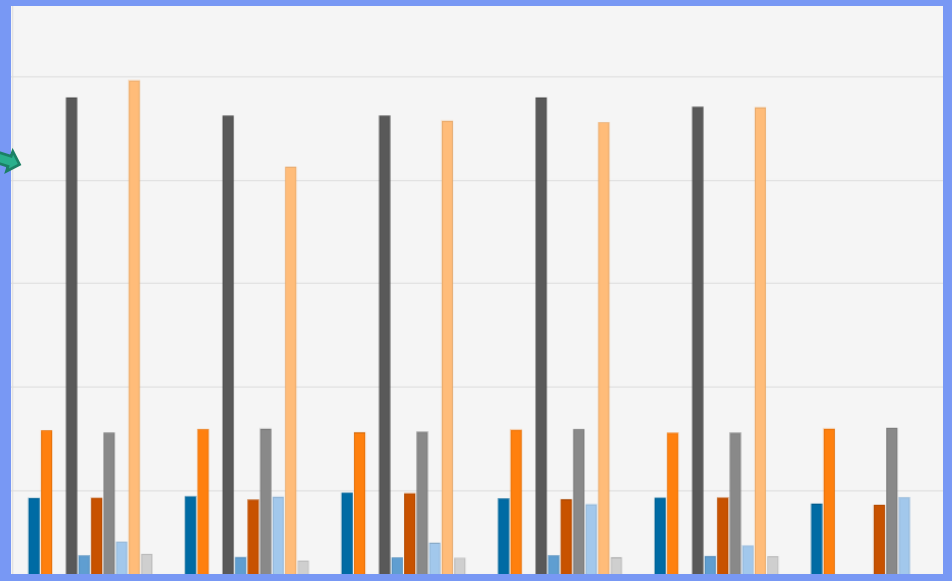
SimpleChartsRI

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.







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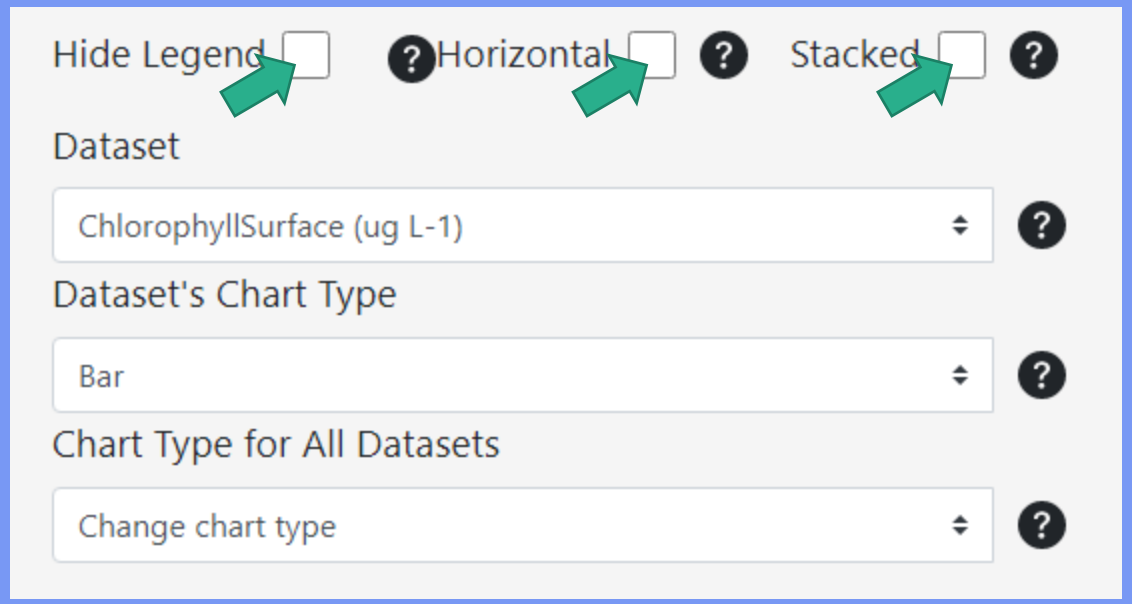
Demo

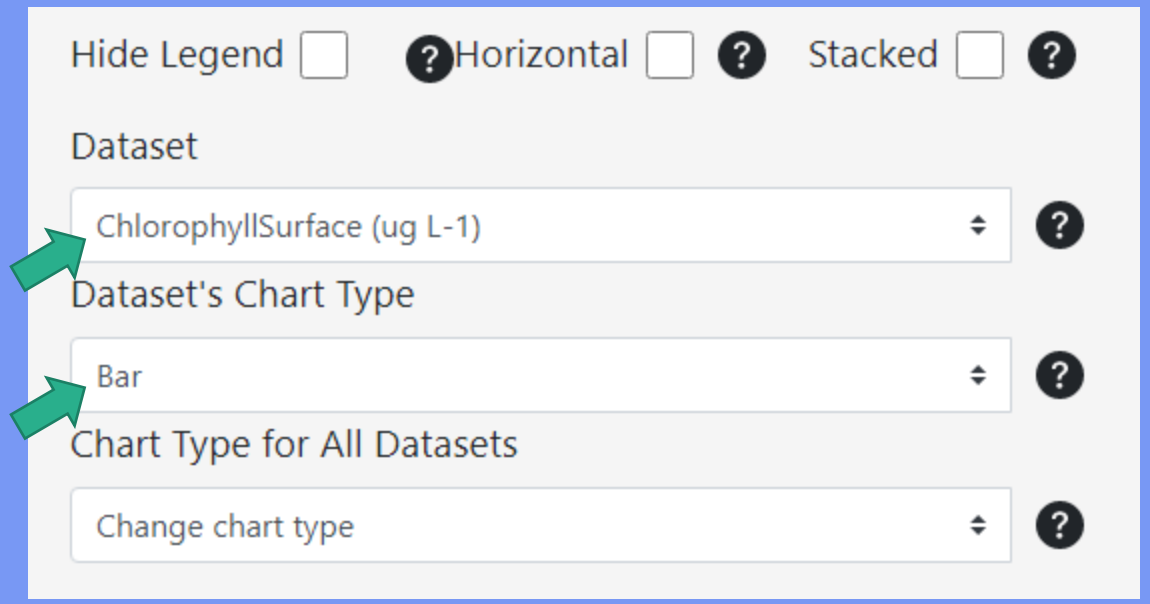
6. There is also options to hide the legend and change the bar chart to be horizontal or stacked. Click to check on and off the settings and see how they affect your chart.



SimpleChartsRI

Demo

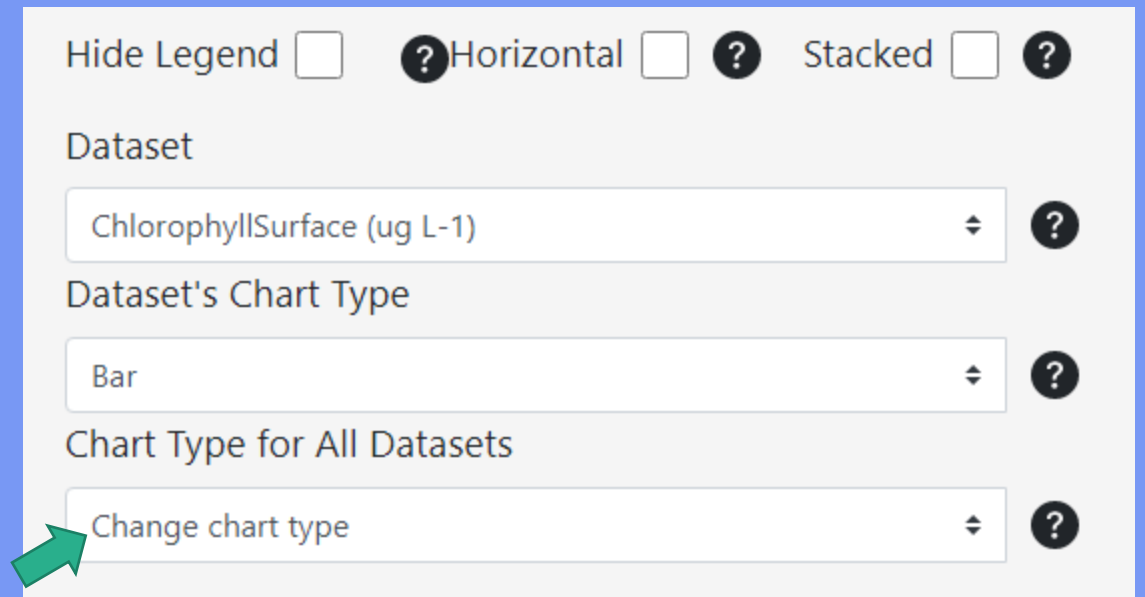
7. There is also an option to change part of the dataset by changing its chart type. Click on the first drop down menu, *'Dataset'*, and select one of the datasets. Now to change its chart type, change *'Dataset's Chart Type'*. You can change multiple as well so try it out.



SimpleChartsRI

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.



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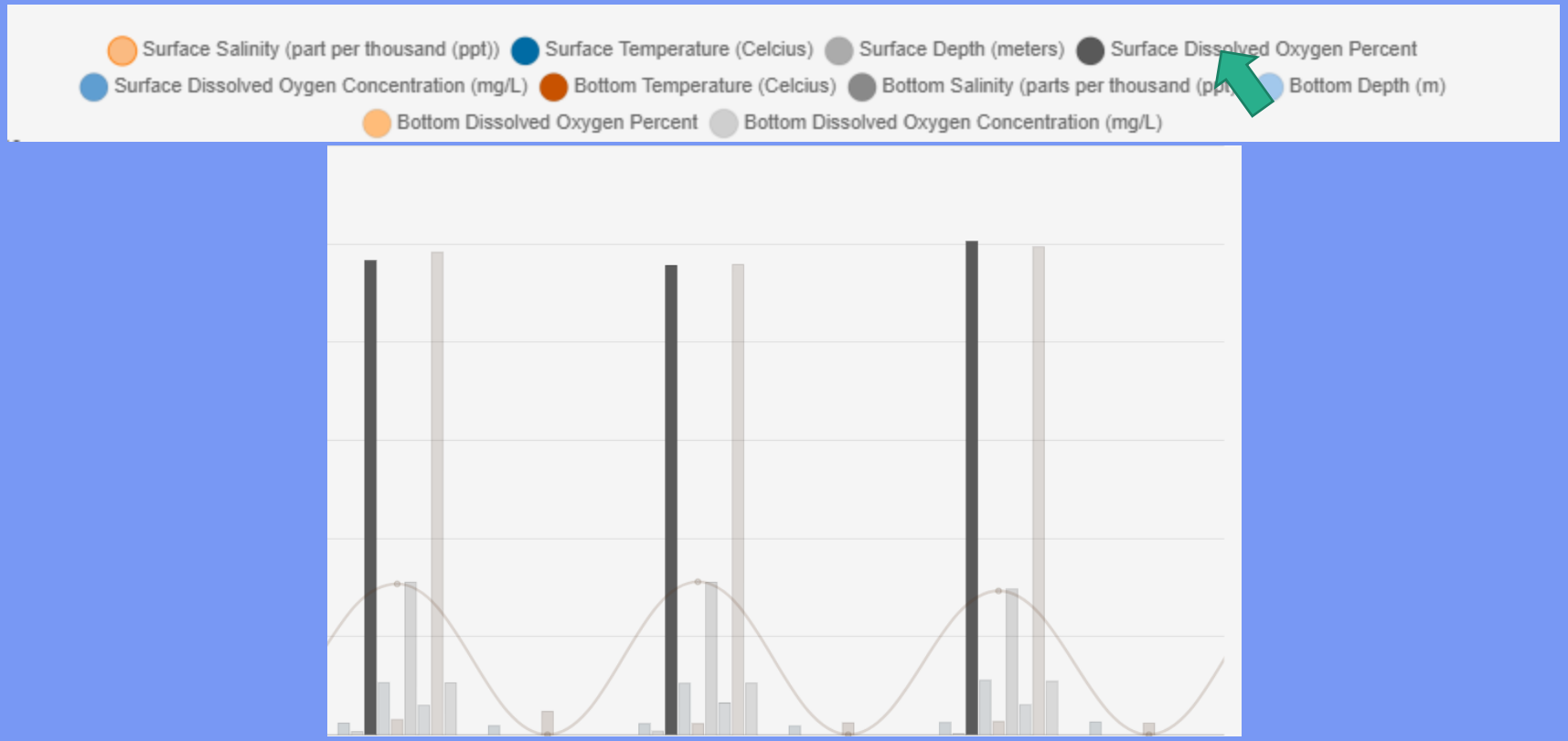
Demo

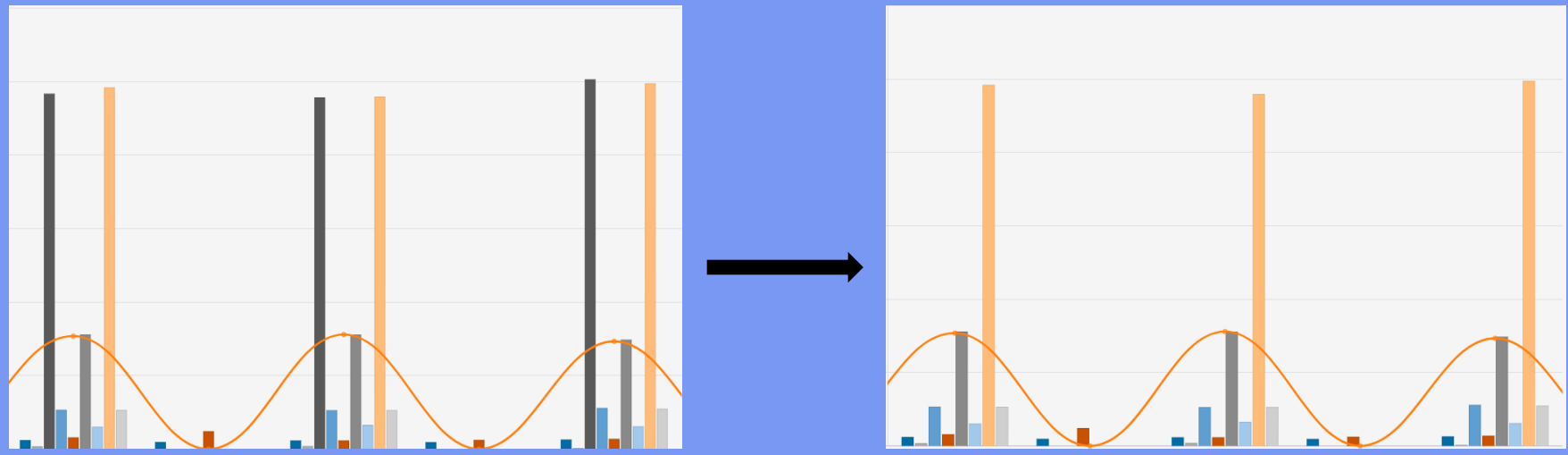
9. When interacting with the chart itself, you can focus on a piece of data by hovering over a dataset in the legend.



SimpleChartsRI

Demo

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



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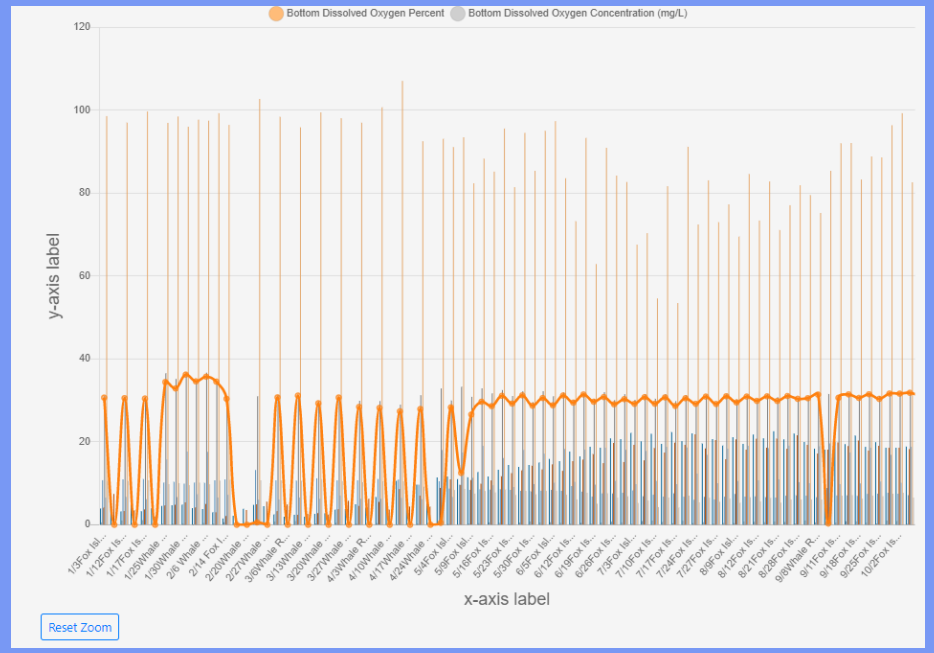
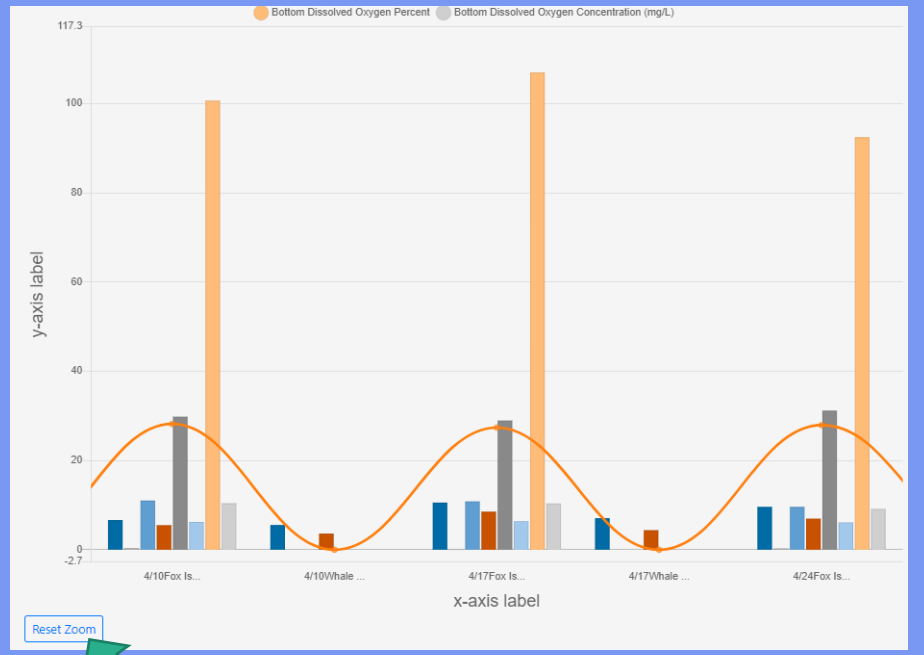
Demo

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.

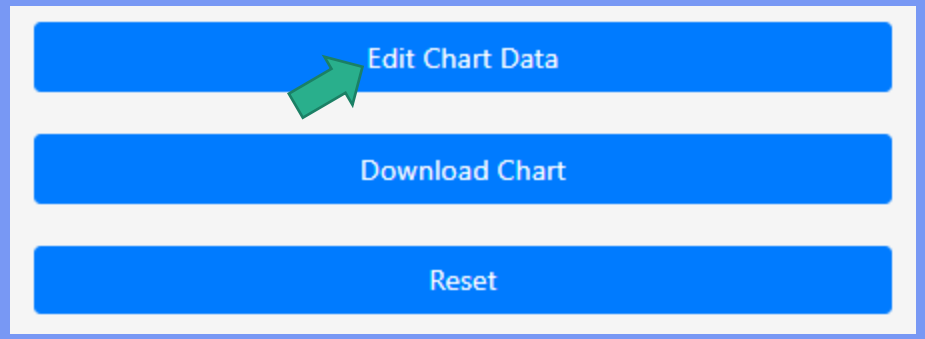


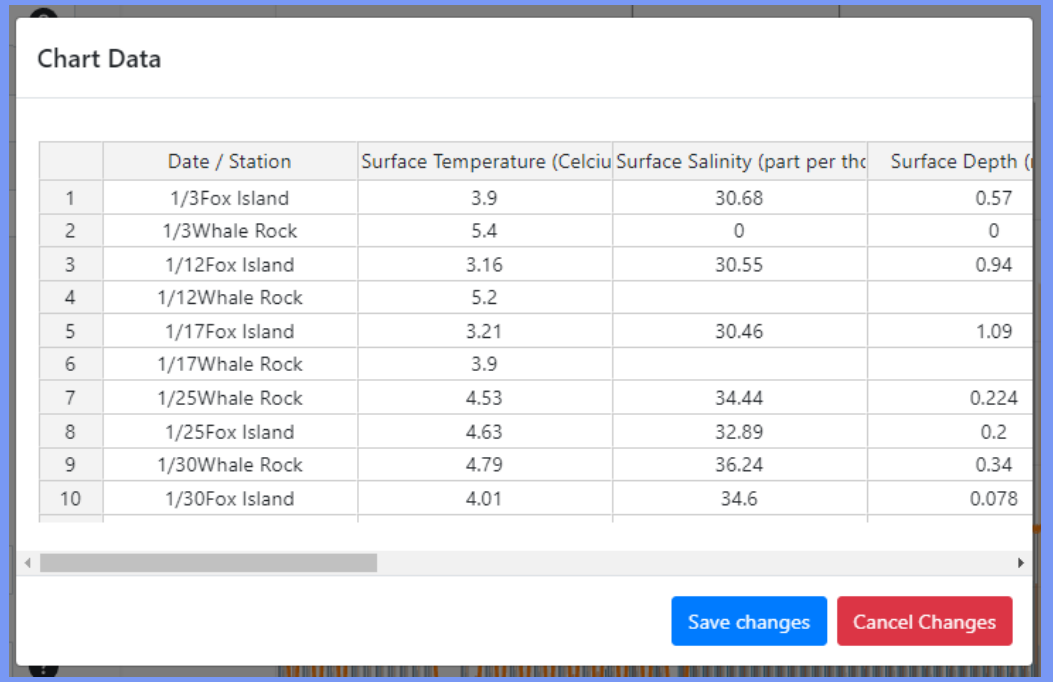


SimpleChartsRI

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.



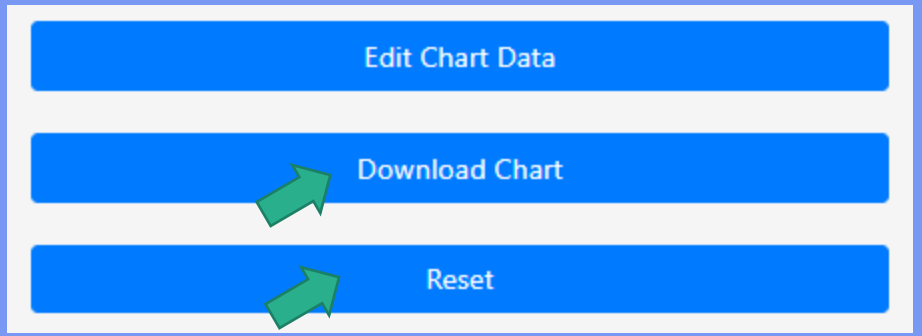


	Date / Station	Surface Temperature (Celciu	Surface Salinity (part per thc	Surface Depth (
1	1/3Fox Island	3.9	30.68	0.57
2	1/3Whale Rock	5.4	0	0
3	1/12Fox Island	3.16	30.55	0.94
4	1/12Whale Rock	5.2		
5	1/17Fox Island	3.21	30.46	1.09
6	1/17Whale Rock	3.9		
7	1/25Whale Rock	4.53	34.44	0.224
8	1/25Fox 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

SimpleChartsRI

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

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