


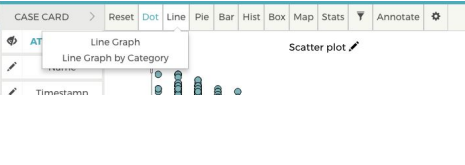
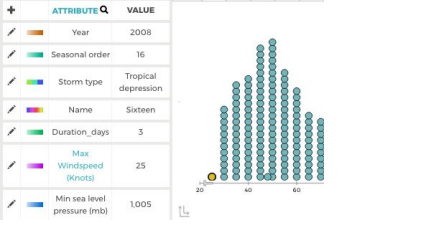


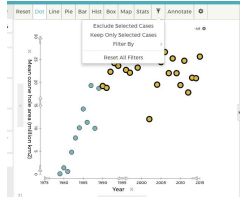
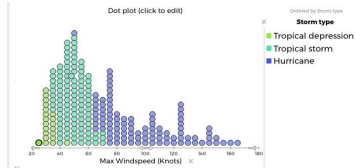
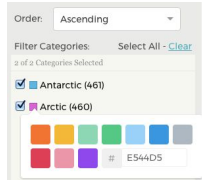
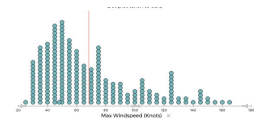
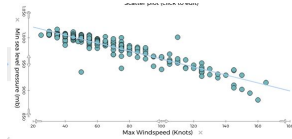
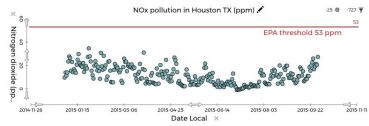
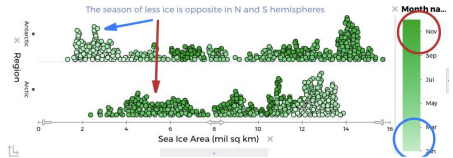
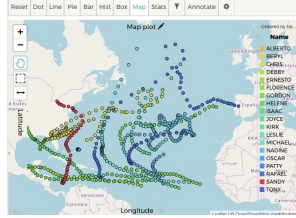



Tips and How-tos for analyzing data in Tuva

Tuvalabs.com

Function	How to	Example
<p>Upload a dataset</p>	<ol style="list-style-type: none"> From your dashboard, click either Import from your computer or Import from Google Drive. Follow instructions 	
<p>Search for a dataset from the Tuva library</p>	<ol style="list-style-type: none"> Type a keyword into the search bar (e.g. Hurricane) <p>OR</p> <ol style="list-style-type: none"> Click TUVA DATASETS at the very top; use the search filter on the left to zero in on topics of interest. 	
<p>Add attributes to an axis</p>	<ol style="list-style-type: none"> Drag an attribute from the left to an axis You can add a second attribute to an axis by dropping it over the + 	
<p>Change graph type</p>	<ol style="list-style-type: none"> Tuva makes a dot plot by default (a scatter plot if 2 axes are used). Click the desired graph type in the top menu. Click the 'by category' option to show a separate graph for each category 	
<p>Inspect a particular case</p>	<ol style="list-style-type: none"> Click on the dot for the case you are curious about Read all the attributes of that case in the Attribute card to the left 	

<p>Filter the data to graph only certain categories or sub-ranges</p>	<ol style="list-style-type: none"> 1. Click the pencil beside the attribute you want to filter 2. Uncheck the categories (or change the range) of the data to limit it; 3. Close the attribute settings 	
<p>Highlight a third attribute</p>	<p>OR:</p> <ol style="list-style-type: none"> 1. Drag a box over the data of interest in a graph 2. Click the filter icon at the top  3. Click keep or exclude selected cases. 	
<p>Change the color of a category or attribute</p>	<ol style="list-style-type: none"> 1. With attributes on each axis, you can click on a third attribute to show its values on a color scale, with a legend 	
<p>Change the color of a category or attribute</p>	<ol style="list-style-type: none"> 1. Click on the pencil beside the attribute 2. Click on the colored box beside categories. 3. Select the preferred color from the pop-up array. 4. (Change the color of numeric attributes similarly) 	
<p>Show the mean or median</p>	<ol style="list-style-type: none"> 1. Display data in a dot plot or histogram 2. Click on Stats (top menu) 3. Click Mean 	
<p>Show trend with a Least Squares line</p>	<ol style="list-style-type: none"> 1. Display 2 attributes in a scatterplot 2. Click Stats (top menu) 3. Click Least Squares Line / Line by category 	

<p>Add a moveable reference line</p>	<ol style="list-style-type: none"> 1. Click Stats (top menu) 2. Click Add reference line on X (or Y) 	
<p>Annotate the graph</p>	<ol style="list-style-type: none"> 1. Click Annotate (top menu) 2. Chose a shape (or text) 3. Move the cursor to the display area; when the pencil appears, draw the shape (or fill in the text box) 	
<p>Add a map underneath the graph</p>	<ol style="list-style-type: none"> 1. For datasets with Lat/Long attributes 2. Put Lat on Y and Long on X 3. Click a 3rd attribute to show values 	
<p>Add a title to a graph</p>	<ol style="list-style-type: none"> 1. Type text into the top bar ("Click to edit") 	<p>Dot plot (click to edit)</p>
<p>Save a graph</p>	<p>To save a graph as a .png file on your desktop:</p> <ol style="list-style-type: none"> 1. Click the Options icon in the top menu (far right) 2. Click the camera icon (at the bottom) 	

Tuva DASHBOARD TUVA DATASETS COLLECTIONS MY DATASETS Search PREMIUM MOLLY_P

CASE CARD > Reset Dot Line Pie Bar Hist Box Map Stats Annotate

ATTRIBUTE Q

- Location
- Elevation (m)
- Latitude (Deg. N)
- Longitude (Deg. W)
- Year
- Month and Year
- Monthly Precipitation (cm)
- Mean Temp (Deg. C)
- Mean Temp (Deg. C)

mixed up cases

Display area

(drag and drop X attribute here)

Dataset activities

Seasonal variability: extreme or mild? 3 Steps | Created By: Ms. Schaeffer (Tuva Staff) Try as Student Assign

TABLE VIEW SUMMARY VIEW

DATASET: A About V Vocabulary Bookmark C Glossary T Tutorial Video Create Activity

About the data

Temperatures and Precipitation for Washington

This dataset gives mean monthly temperature and total precipitation amounts for two locations at similar latitudes in Washington State: Port Angeles and Pullman.

Using the mean temperature for each month, how do you think the temperature ranges and daily temperature extremes, but can give an idea of...