

Applying Layers to a Chart

Last Modified on 09/12/2025 1:30 pm EDT

Overview

The Layers function on the Chart screen is available for most Chart Types. The Layers function allows users to set up Trends and Reference Lines over top of a Chart which helps predict future trends.



Note:

Pie, Table, Extended Tables, Crosstabs, Maps, Box & Whiskers, and Word Cloud Chart types do not support the Layers function.

User Account Requirements

The user account you use to log into Resolver must have Administrator permission to apply Layers to a Chart

Related Information/Setup

To add styles to your Chart, please see the link below:

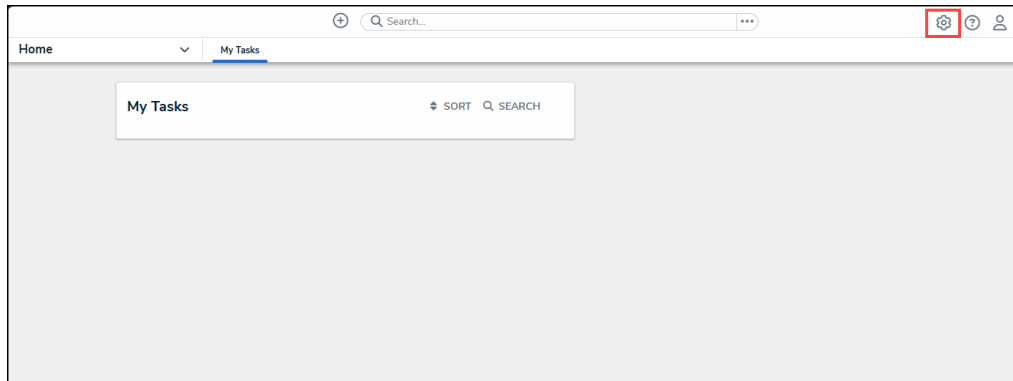
- [Adding Styles to a Chart](#)

Please see the corresponding articles below for Information on Adding a Chart Type not covered by these instructions.

- [Adding a Chart to a Dashboard](#)
- [Adding a Multi-Series Chart to a Dashboard](#)
- [Adding a Combo Chart to a Dashboard](#)
- [Adding a Table to a Dashboard](#)
- [Adding a Crosstab to a Dashboard](#)
- [Adding a Heatmap to a Dashboard](#)
- [Adding a Map to a Dashboard](#)
- [Adding a Box and Whiskers Chart to a Dashboard](#)

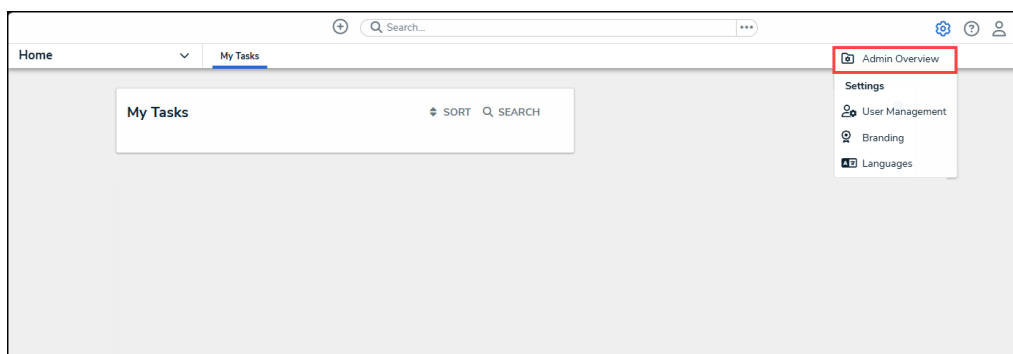
Navigation

1. From the **Home** screen, click the **Administration** icon.



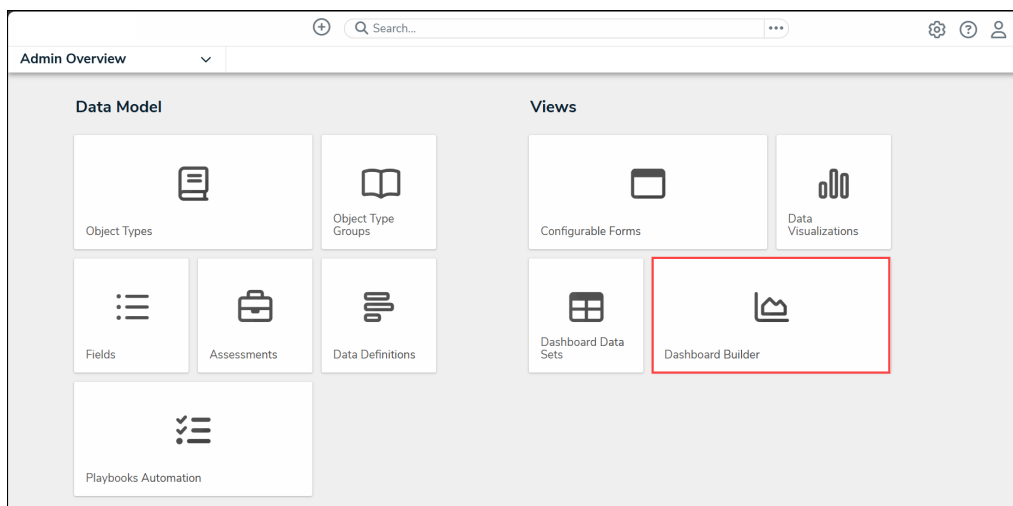
Administration Icon

- From the **Administrator Settings** menu, click the **Admin Overview** link.



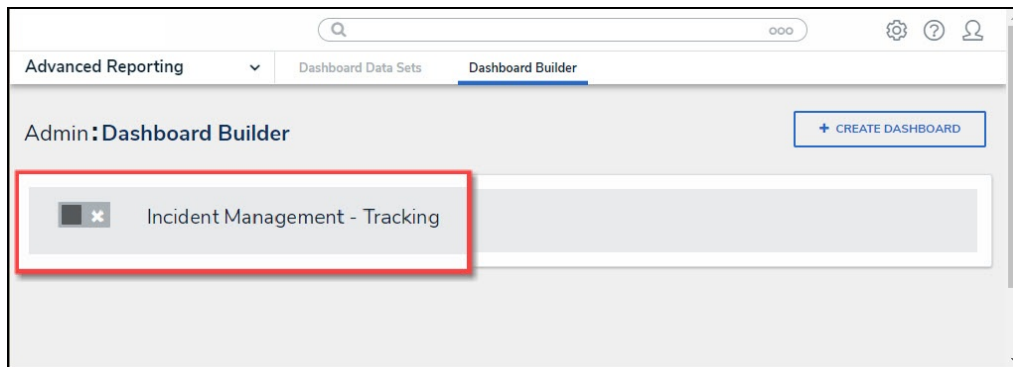
Administrator Settings Menu

- From the **Admin Overview** screen, click on the **Dashboard Builder** tile under the **Views** section.



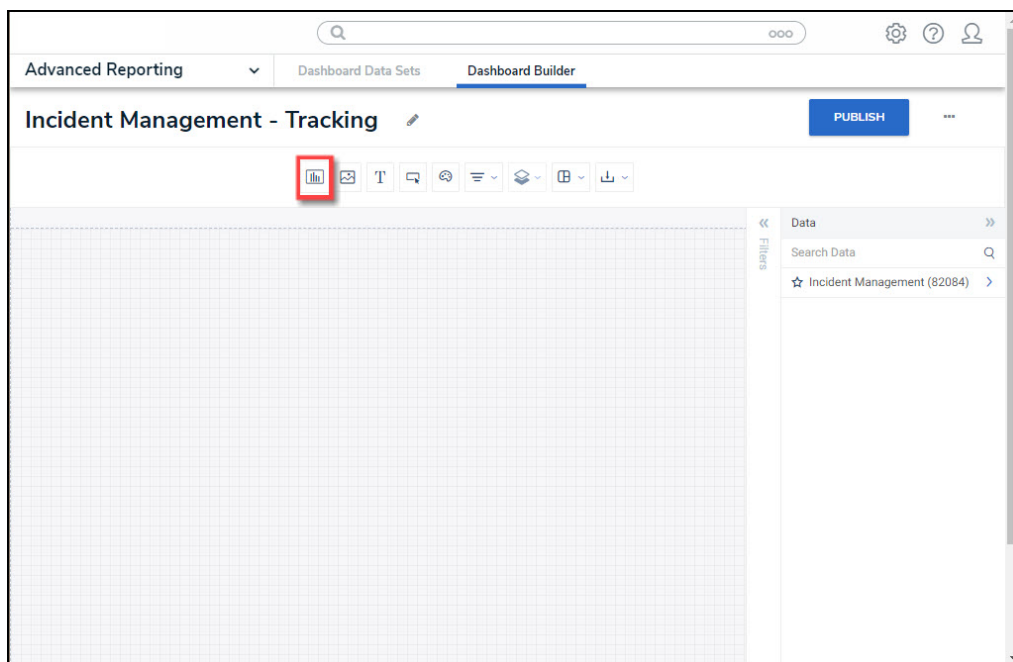
Dashboard Builder Tile

- From the **Dashboard Builder** screen, click a **Dashboard Name**.



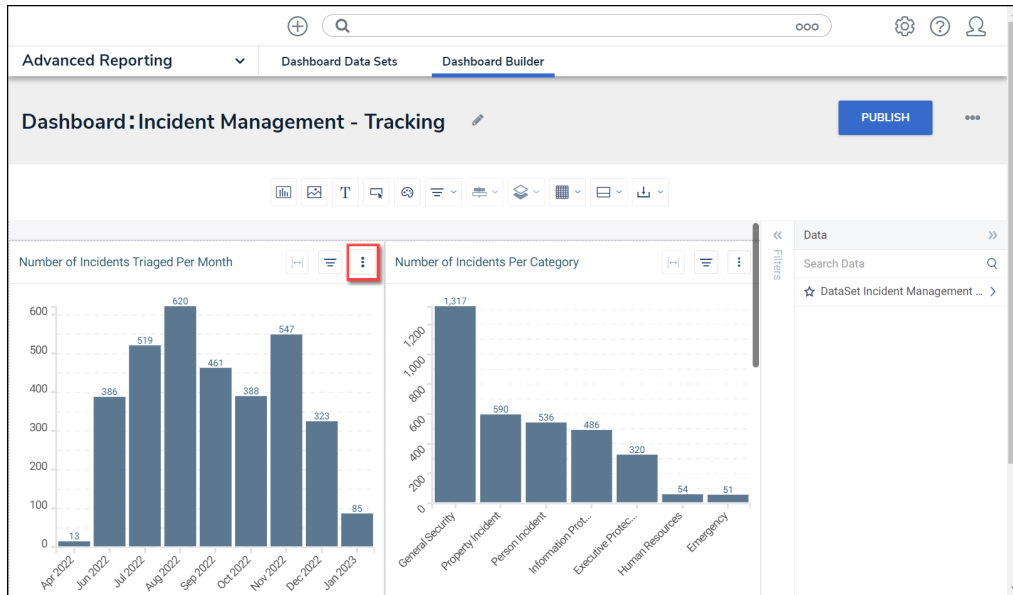
Dashboard Name

5. From the **Dashboard** screen, to access the **Chart** screen, click on the **Add Chart** button.



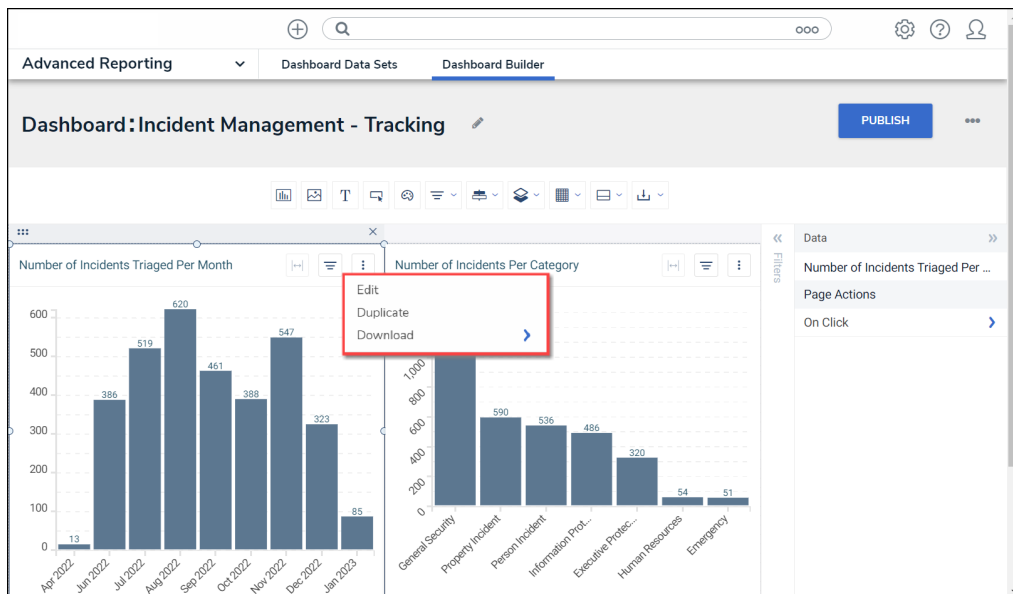
Add Chart Button

6. Or click the **More Options** icon on an existing **Chart View**.



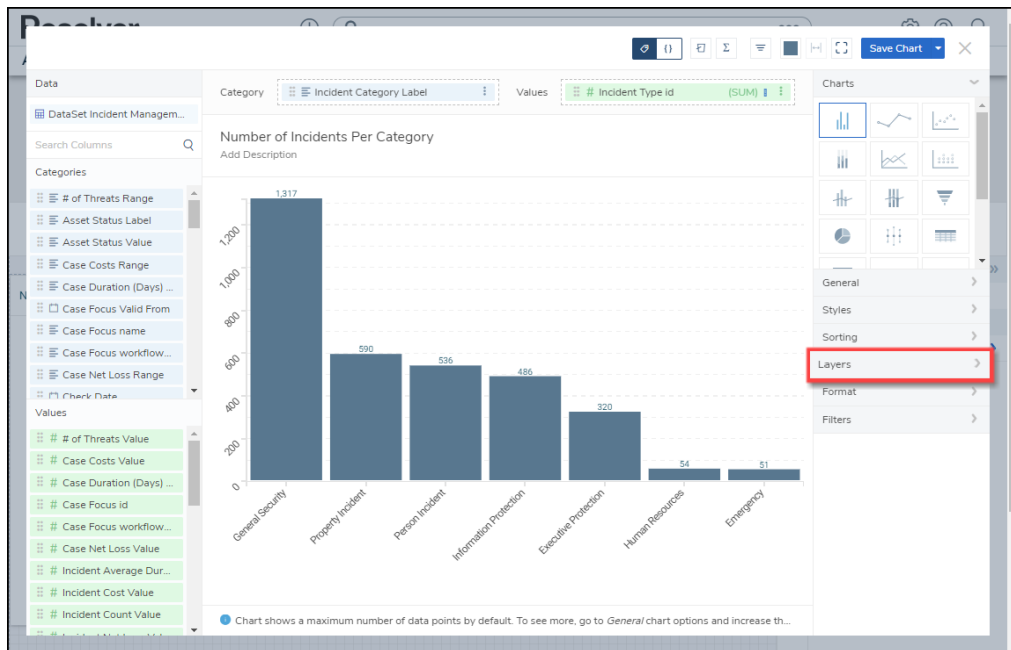
More Options Icon

- Click the **Edit** option from the **More Options** dropdown menu.



Edit Option

- From the **Chart** screen, click the **Layers** panel from the **Configuration** panel.

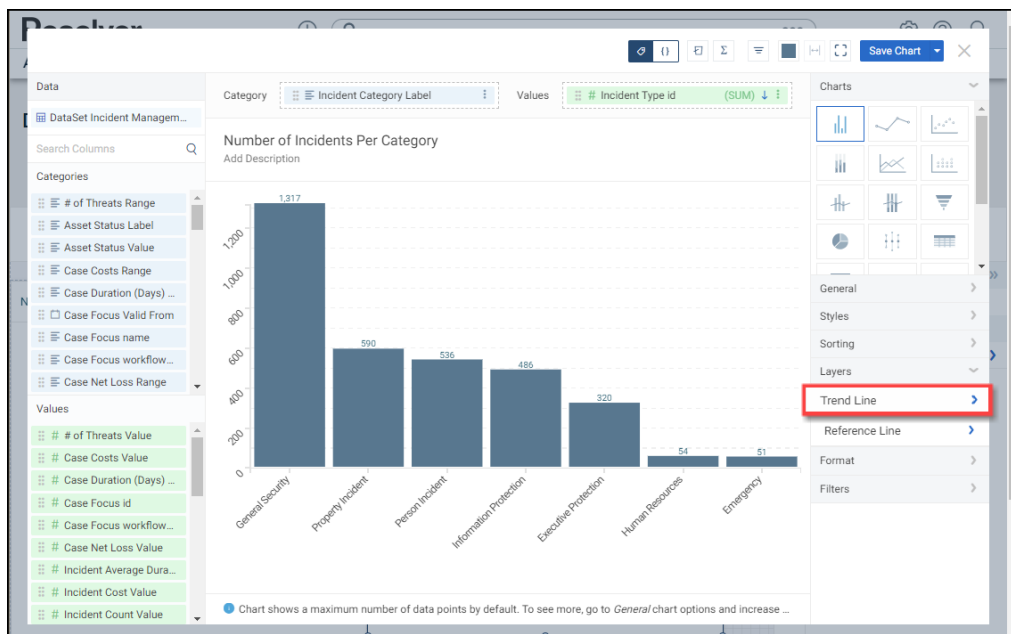


Layers Panel

Applying a Trend Line to a Chart

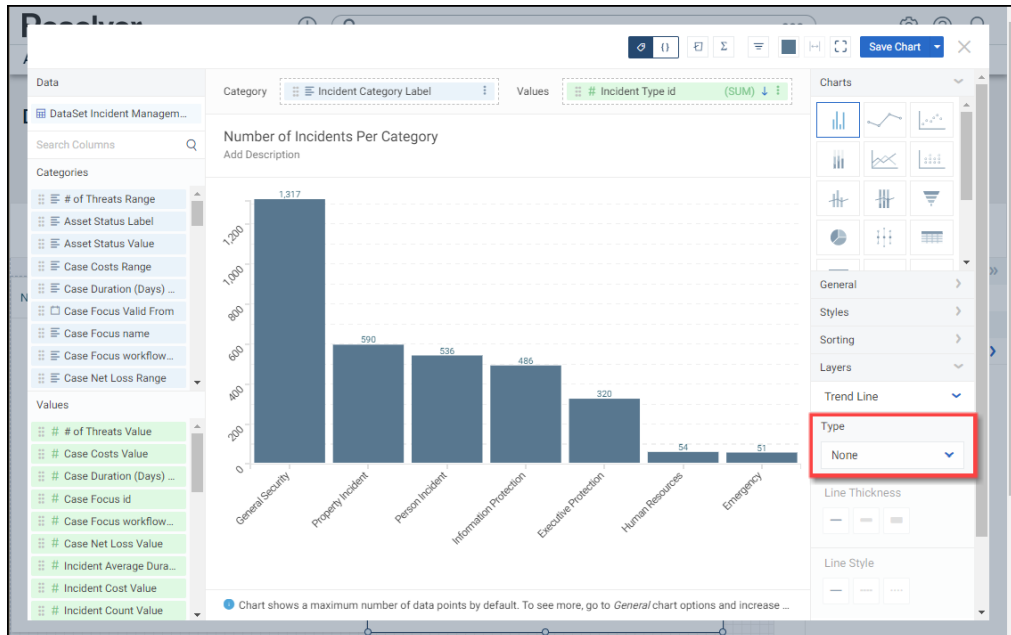
A Trend Line shows the data direction in a Chart and helps to identify patterns to allow for accurate predictions.

1. Click the **Trend Line** panel.



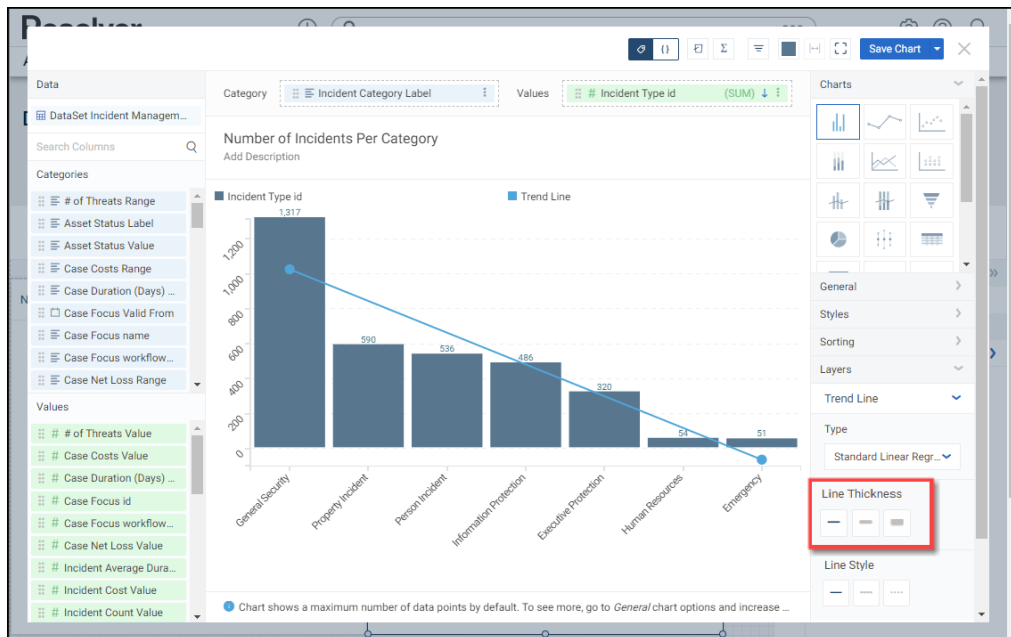
Trend Line Panel

2. Click the **Type** dropdown and select a **Trend Line Type**:



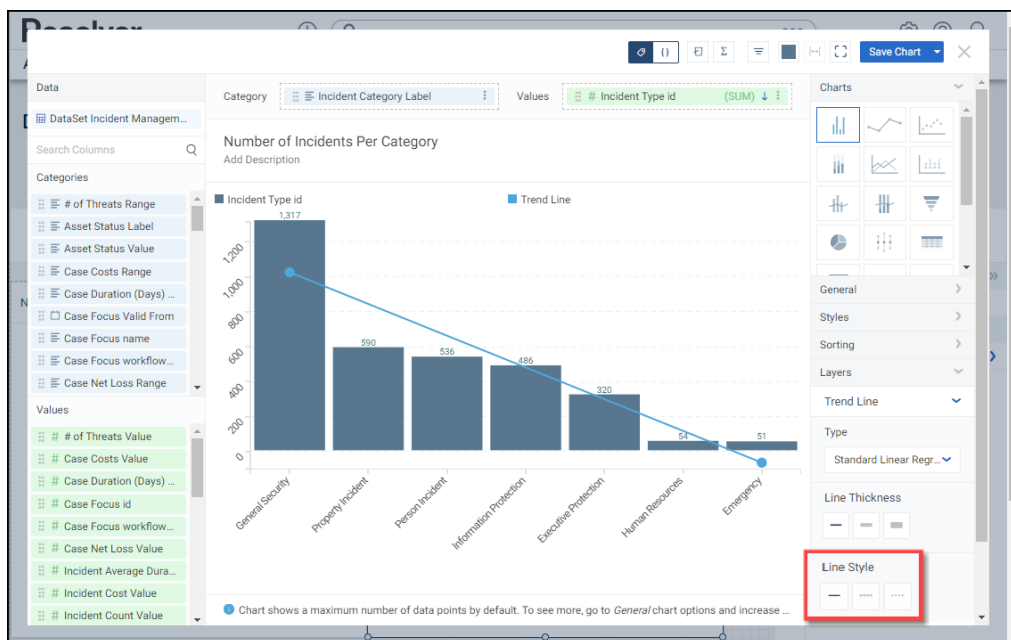
Type Dropdown

- **None:** No Trend Line is applied to the Chart.
 - **Standard Linear Regression:** A **Standard Linear Regression** displays whether the data values increasing or decreasing using a straight line to represent the trend (e.g., sales).
 - **Exponential:** An **Exponential** type is best when the data values increase or decrease at elevating higher values. You cannot use the Exponential type if the Data Set has negative or 0 values.
 - **Logarithmic:** A **Logarithmic** type is best when the data values sharply increase or decrease and level out to a plateau. You can use the Logarithmic type with negative and positive data values (e.g., growth)
 - **Moving Average Trend:** The **Moving Average Trend** type displays data value trends more clearly when data values have multiple increases and decreases.
 - **Polynomial:** A **Polynomial** type is best to use when the data values fluctuate (e.g., gains and losses).
3. Select a **Line Thickness** by clicking one of the corresponding buttons (Thin, Normal, or Bold).



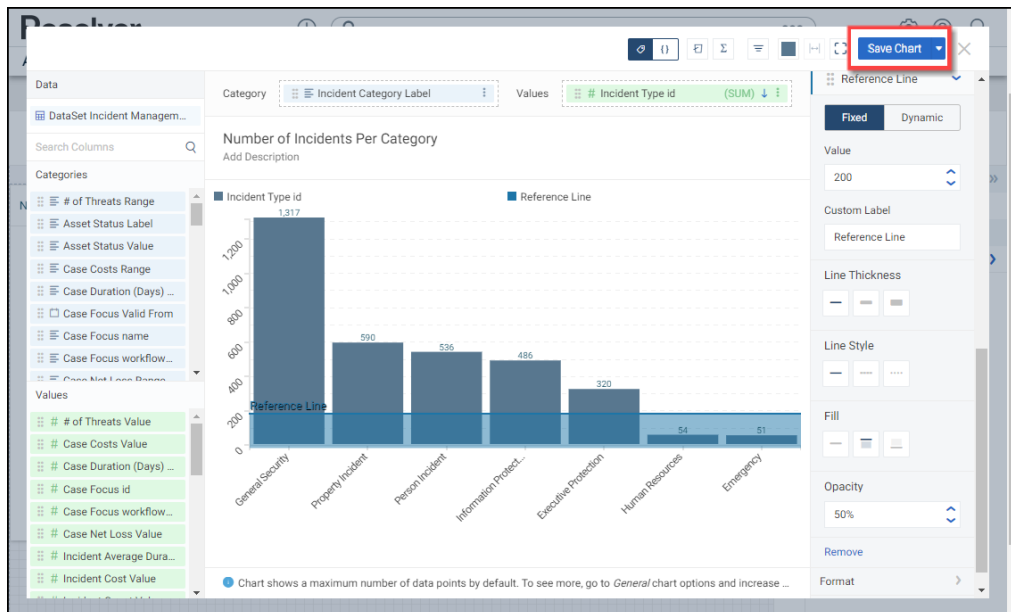
Line Thickness

4. Select a **Line Style** by clicking one of the corresponding buttons (Solid, Dashed, or Dotted).



Line Style

5. Click the **Save Chart** button to save changes to the Chart.

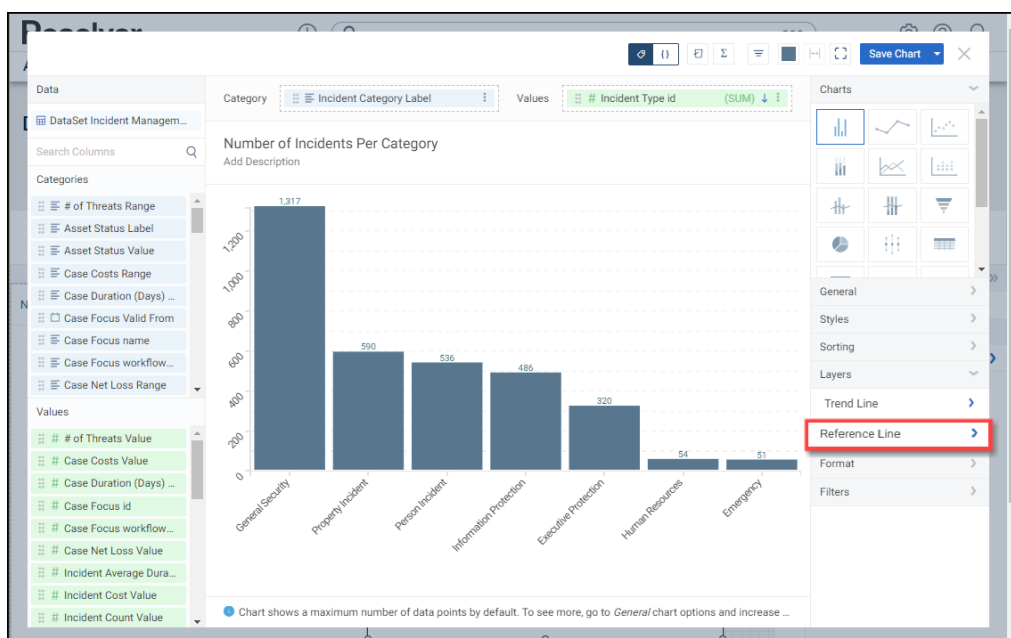


Save Chart Button

Applying a Reference Line to a Chart

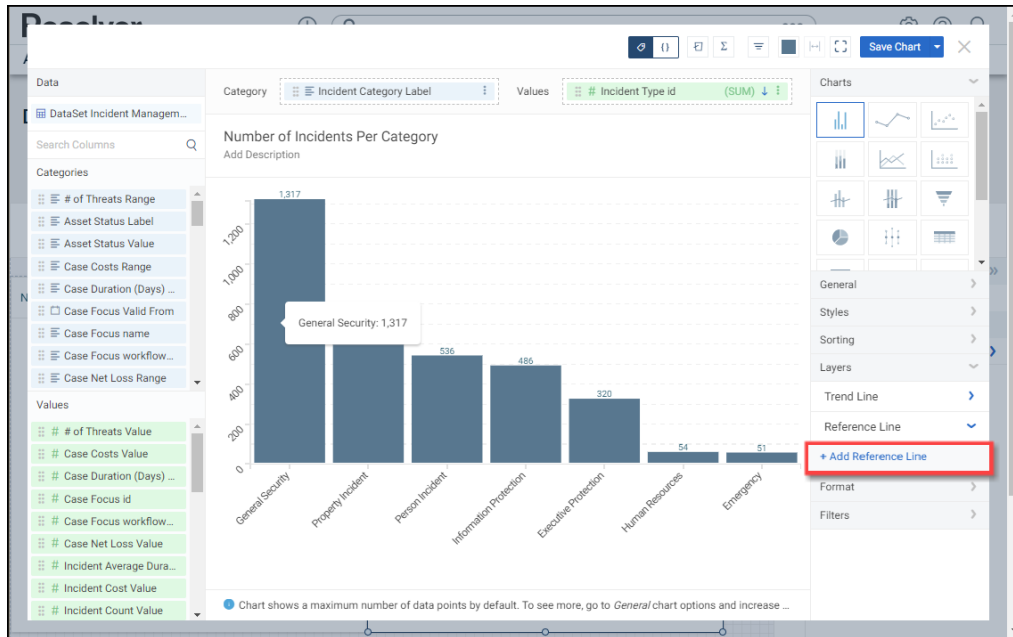
A **Reference Line** allows a user to create a line of reference on the Chart to measure, compare, or reference the data values. You can add multiple Reference Lines on a Chart.

1. Click the **Reference Line** panel.



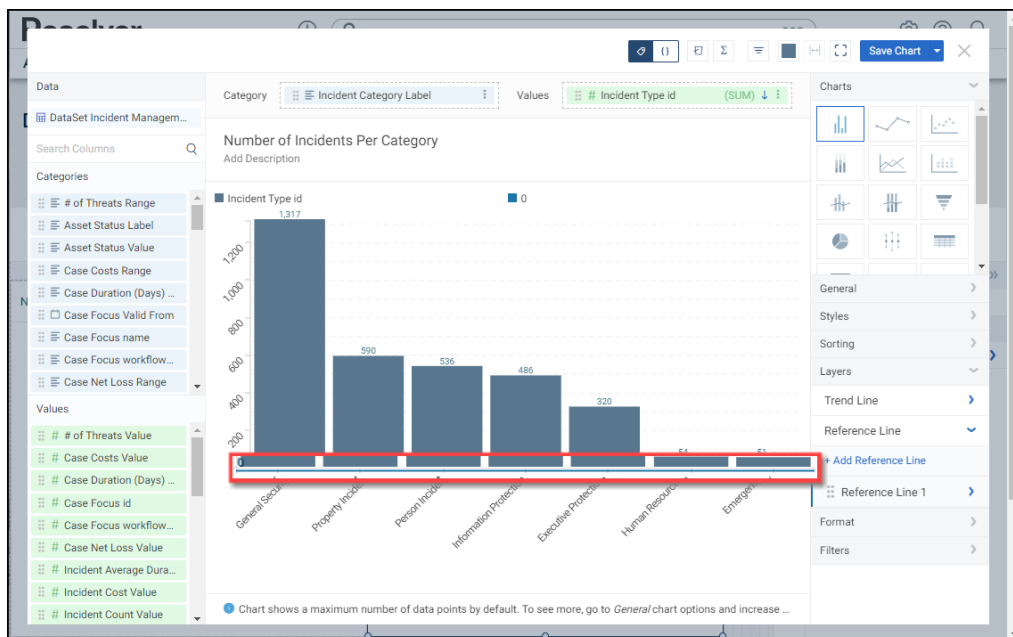
Reference Line Panel

2. Click the **+ Add Reference Line** link.



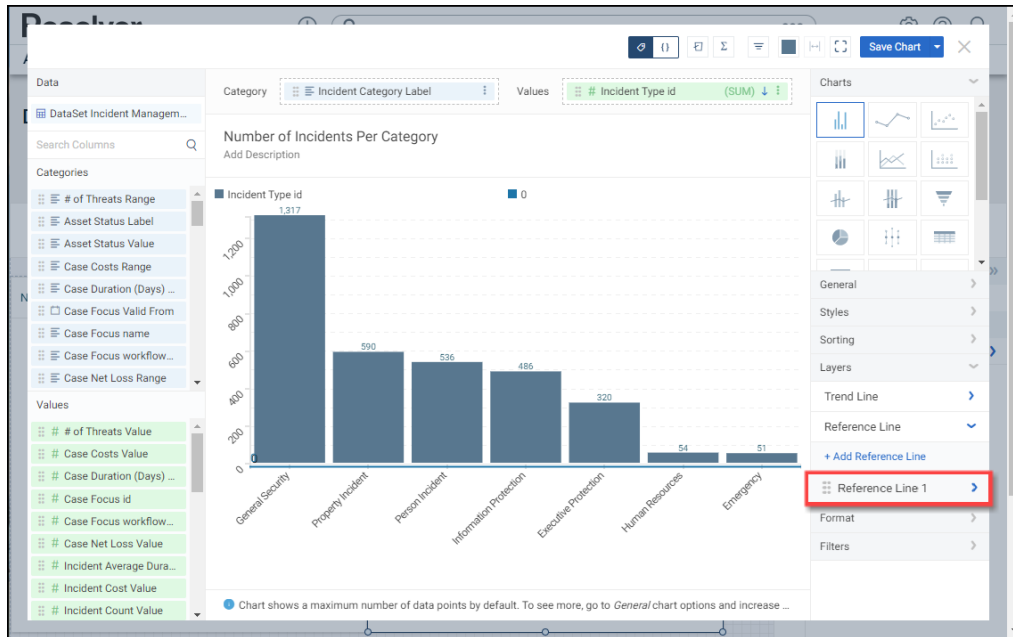
+ Add Reference Line Link

3. A **Reference Line** will be added to the Chart across the 0 y-axis.



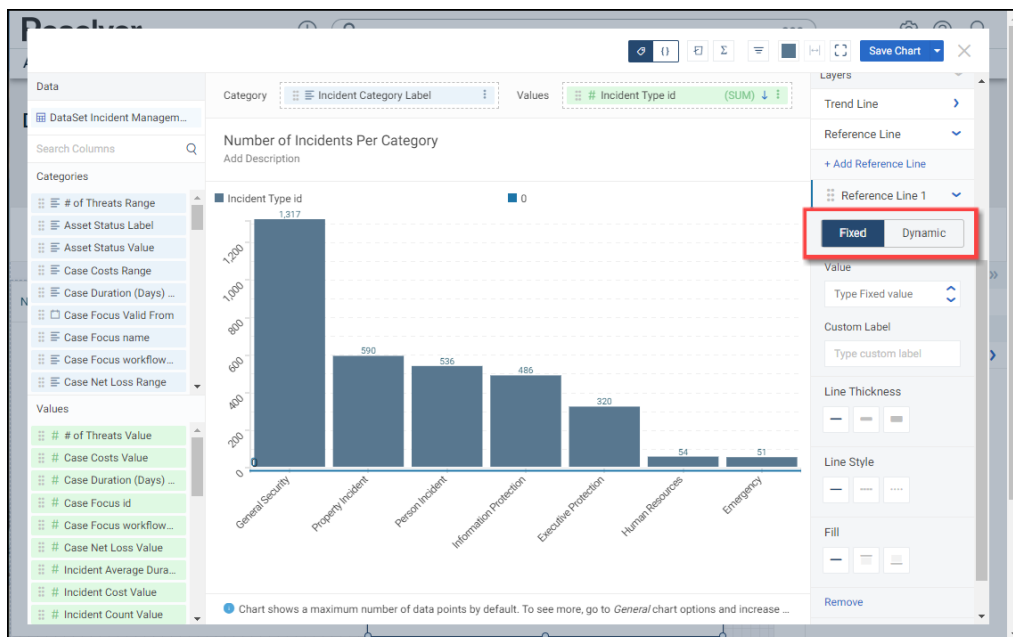
Reference Line

4. Click the **Reference Line 1** panel.



Reference Line 1 Panel

5. Select a **Reference Line Type** by clicking on one of the **Reference Line Type** buttons:



Reference Line Type

- **Fixed:** A **Fixed** Reference Line allows a user to enter a fixed value setting the Reference Line on the Chart at the specific value.
 - **Value:** Enter the Value where you want the Reference Line to appear on the Chart in the **Value** field, or use the increase and decrease arrows to set the value. When the **Fixed** button is selected the **Value** field will appear under the Reference Line Type buttons.
- **Dynamic:** A **Dynamic** Reference Line allows a user to apply an aggregate to the data

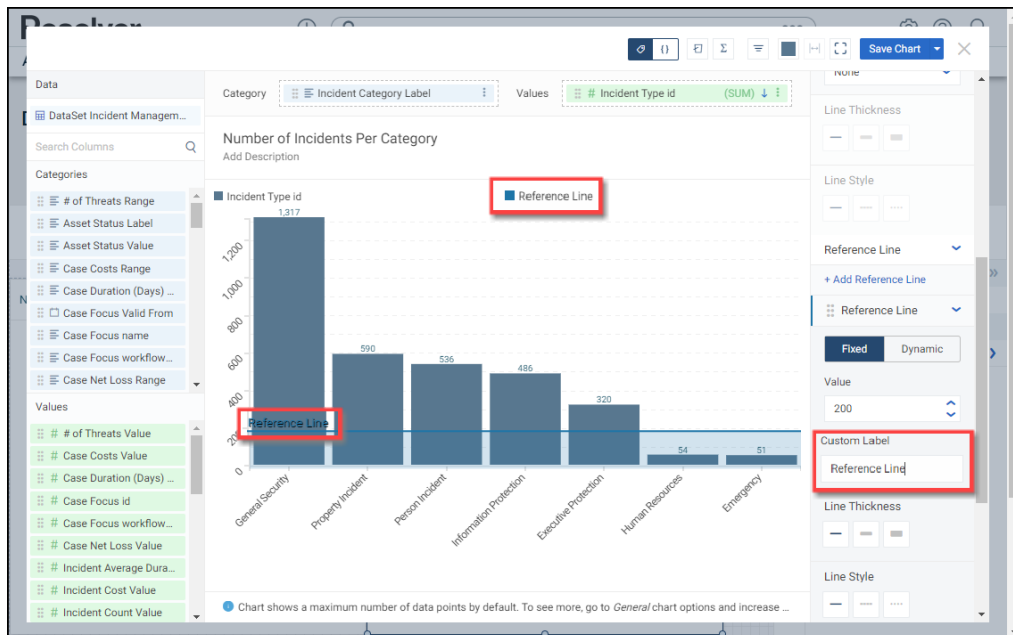
values on the Chart to calculate the location of the Reference Line on the Chart.

- **Value Aggregate:** Select a Value Aggregate type from the dropdown menu.

When the **Dynamic** button is selected the **Value Aggregate** field will appear under the Reference Line Type buttons.

- **Sum:** The **Sum** type adds values together.
- **Average:** The **Average** type is a single value that represents a larger set of values, which is the sum of the numbers divided by the number of digits in the Data Set.
- **Median:** The **Median** type is the middle value of a Data Set.
- **Count:** The **Count** type finds the number of values in a finite Date Set.
- **Distinct Count:** The **Distinct Count** finds specific values within a Data Set.
- **Minimum:** The **Minimum** type determines the smallest number in the Data Set.
- **Maximum:** The **Maximum** type determines the largest number in the Data Set.

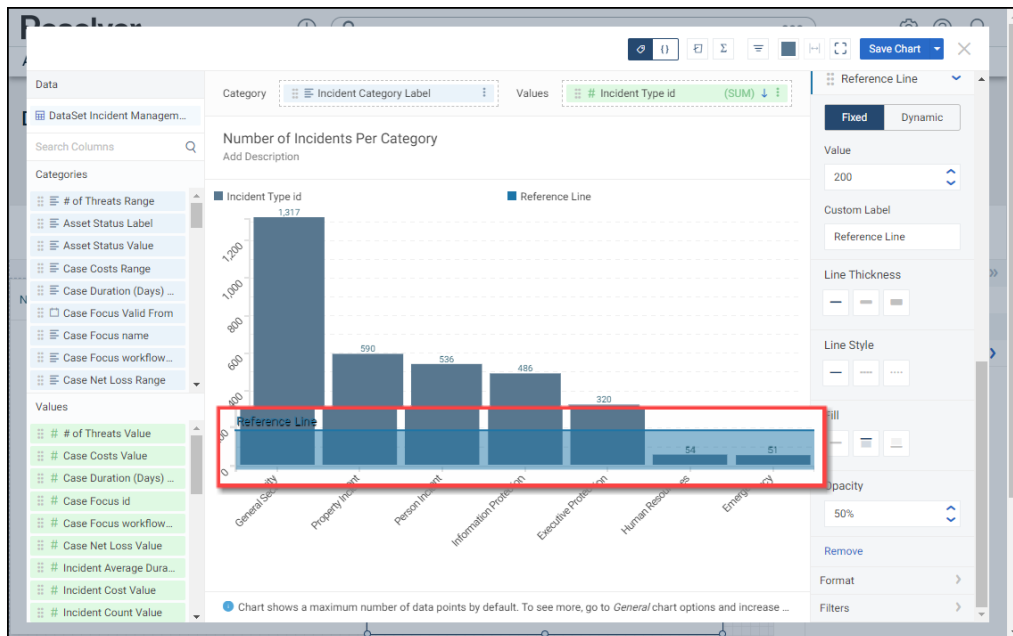
6. Click the **Custom Label** field and enter a label for the Reference Line. Custom Labels will appear above the Reference Line on the Chart and in the Charts legend.



Custom Label

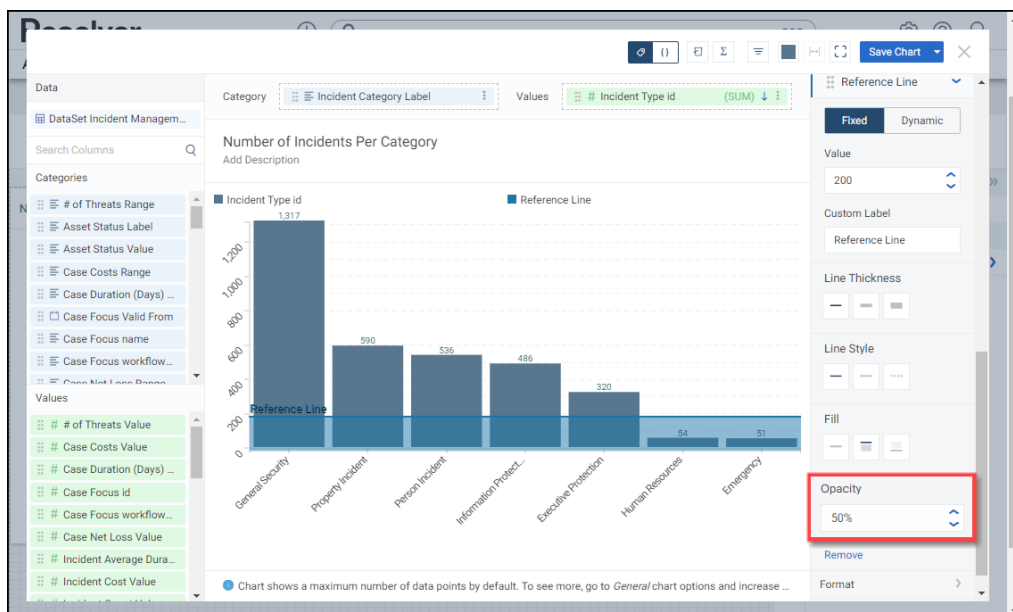
7. Select a **Line Thickness** by clicking one of the corresponding buttons (Thin, Normal, or Bold).
8. Select a **Line Style** by clicking one of the corresponding buttons (Solid, Dashed, or Dotted).
9. Select a **Fill** option by clicking one of the corresponding buttons:

- **None:** No fill is added to the Chart.
- **Before:** The **Before** option adds a fill or tint to the Chart filling the area before the Reference Line.
- **After:** The **After** option adds a fill or tint to the Chart filling the area after the Reference Line.



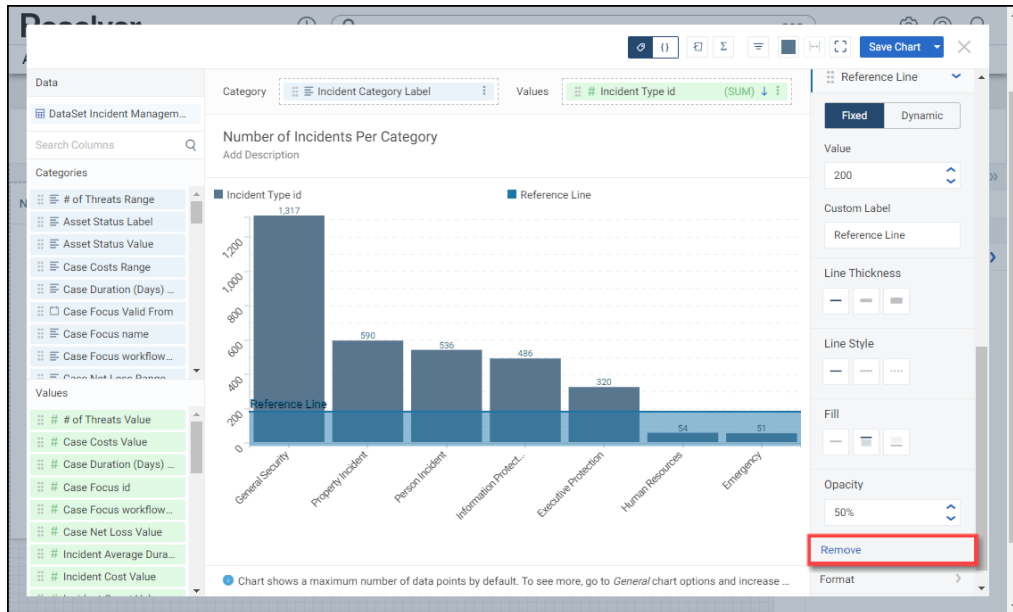
Fill Before Option

- Enter an **Opacity** value in the **Opacity** field to increase or decrease the **Fill** opacity or use the increase and decrease arrows to set the value.



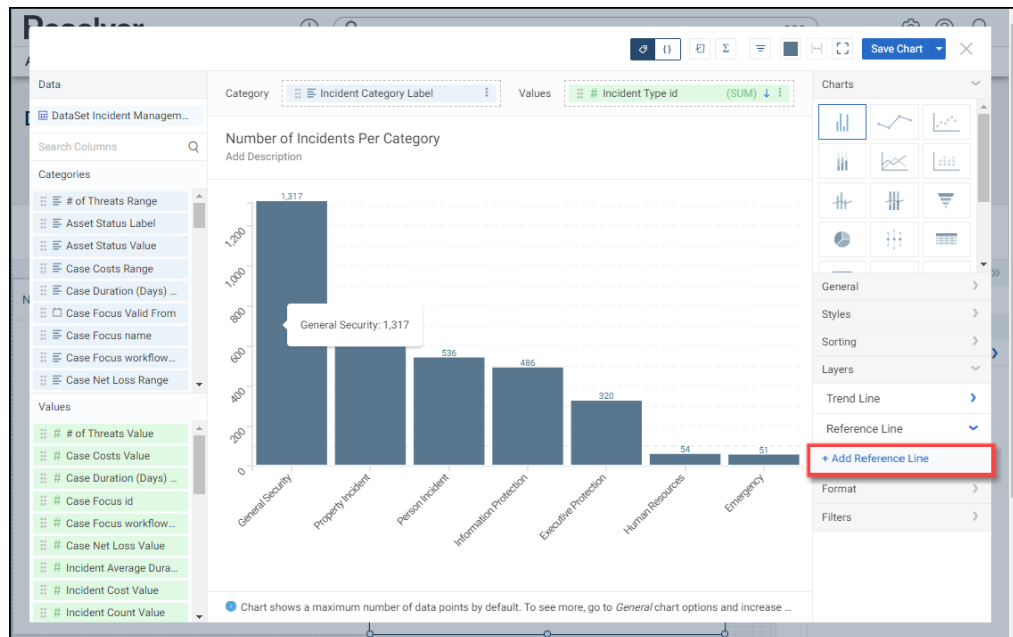
Opacity Field

- Click the **Remove** link to delete the Reference Line from the Chart.



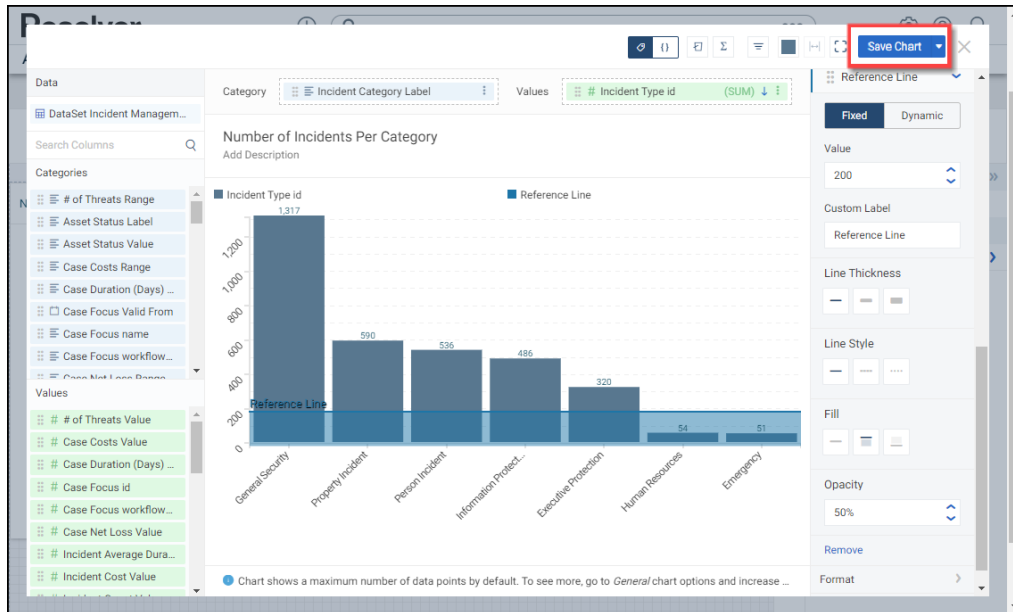
Remove Link

- Click the **+ Add Reference Line** link to add another Reference Line to the Chart.



+Add Reference Line Link

- Click the **Save Chart** button to save changes to the Chart.



Save Chart Button