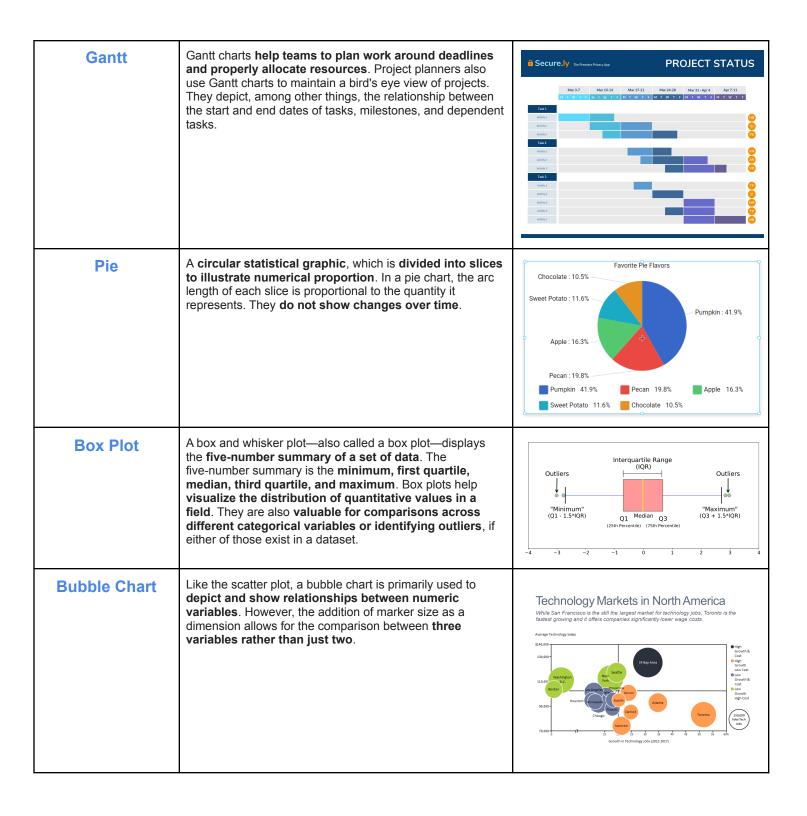
## **Library of Visualizations**

Visualization	Definition/Similarities/Takeaways	Example
Histogram	Graphical representation that organizes a group of data points into user-specified ranges. It is used to summarize discrete or continuous data that are measured on an interval scale. It is often used to illustrate the major features of the distribution of the data in a convenient form.	Heights of Black Cherry Trees  Trees  Heights of Black Cherry Trees  Trees  Heights of Black Cherry Trees  Heights of Black Cherry Trees
Line	A type of chart used to <b>show information that changes over time</b> . The line graph comprises of two axes known as 'x' axis and 'y' axis. Line graphs are used to track changes over short and long periods of time. When smaller changes exist, line graphs are better to use than bar graphs. Line graphs can also be used to compare changes over the same period of time for more than one group.	Sales to Date \$10,000  \$7,500  \$5,000  \$2,500  \$0 January February March Agril May June July August September
Bar	A chart or graph that presents categorical data with rectangular bars with heights or lengths proportional to the values that they represent. The bars can be plotted vertically or horizontally. A vertical bar chart is sometimes called a column chart. Bar graphs are used to compare things between different groups or to track changes over time. However, when trying to measure change over time, bar graphs are best when the changes are larger.	Birthdays celebrated in room 5    January February March April May June July August September Coctober November December
Stacked Bar	A graph that is used to break down and compare parts of a whole. Each bar in the chart represents a whole, and segments in the bar represent different parts or categories of that whole.	Expenses by Month  \$1,200 \$1,000 \$800 \$600 \$400 \$200 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$



## A bubble map is a visual of a geological dataset on a **Bubble Map** Active Covid-19 Cases In The United States By Geography map. These variables or points use bubbles to plot, on all the regions of the map as the data represent. The bigger a bubble is on the map, the more data is present in the dataset for that region and vice versa. A method of graphically representing numerical data where Heatmap the value of each data point is indicated using colors. The most commonly used color scheme used in heatmap visualization is the warm-to-cool color scheme, with the warm colors representing high-value data points and the cool colors representing low-value data points. **Funnel Chart** A funnel chart helps you visualize a linear process that has sequential connected stages. For example, a sales funnel that tracks customers through stages: Lead > Qualified Lead > Prospect > Contract > Close. At a glance, the shape of the funnel conveys the health of the process you're tracking. This diagram can be thought of as a very simple **Radial Diagram** organisation chart that starts from the centre rather than the top. These types of diagrams are useful for showing items in relation to a core element. A radial diagram flows from the outside in or the inside out. Candlestick charts are a technical tool that packs data Candlestick for multiple time frames into single price bars. This Chart makes them more useful than traditional open-high, low-close bars or simple lines that connect the dots of closing prices. Candlesticks build patterns that predict price direction once completed.