



# Introduction to Plotly

Data Boot Camp



# Why Plotly?

---



The focus of this unit is learning how to build interactive visualizations for an audience.



The idea behind this skill is to provide the customer/consumer/client with the ability to visualize complex data so that they can explore and draw their own conclusions from it.



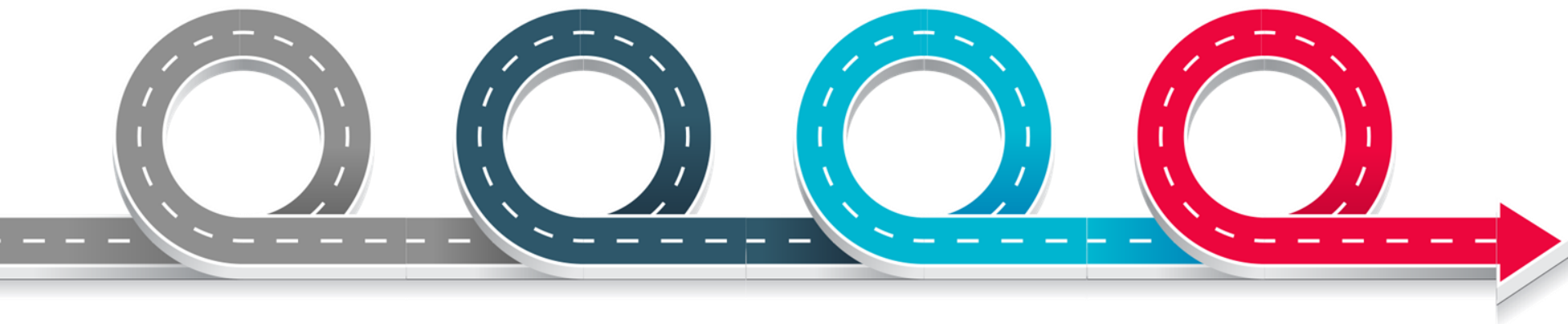
This is a big trend in reproducible data science and data journalism.



Here's an article that explains this concept: [forbes.com](https://www.forbes.com)

# Why Plotly?

---



You can communicate data insights and visualizations to a wide audience using the browser.

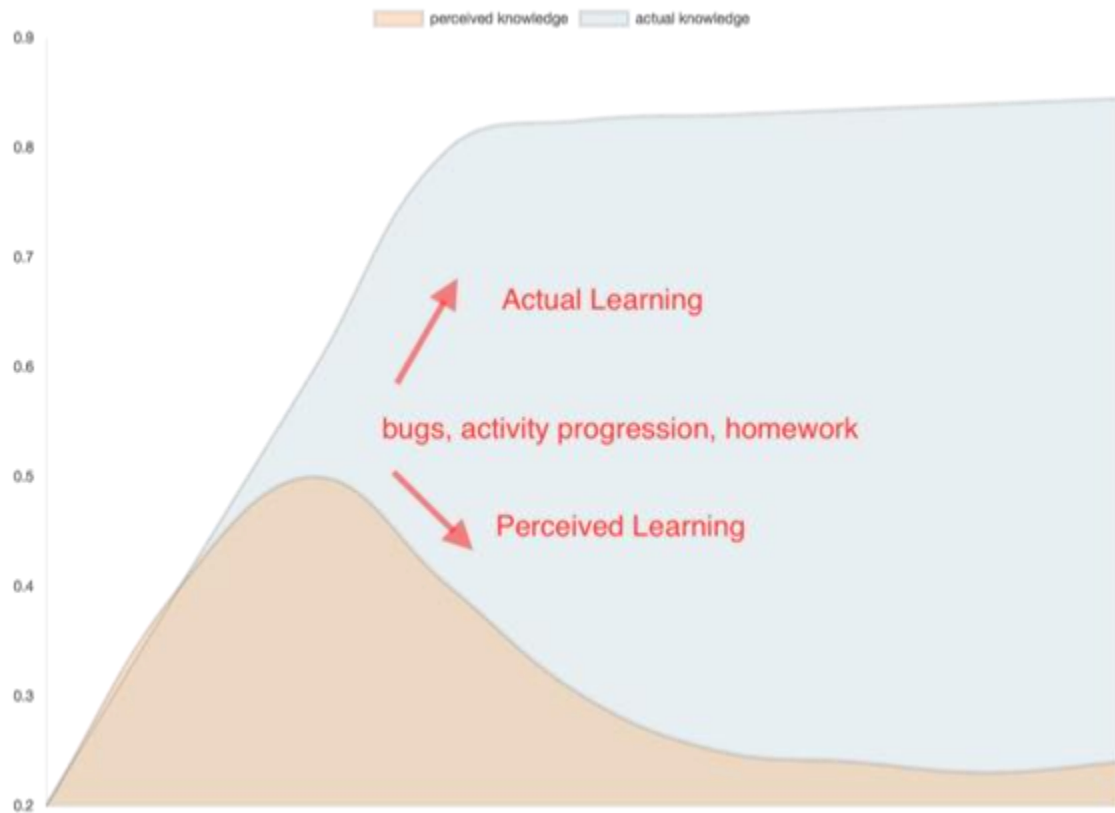
It's more visually appealing than Matplotlib.

It offers interactivity.

Plotly and many similar visualization libraries use JavaScript.

# Journey to JavaScript

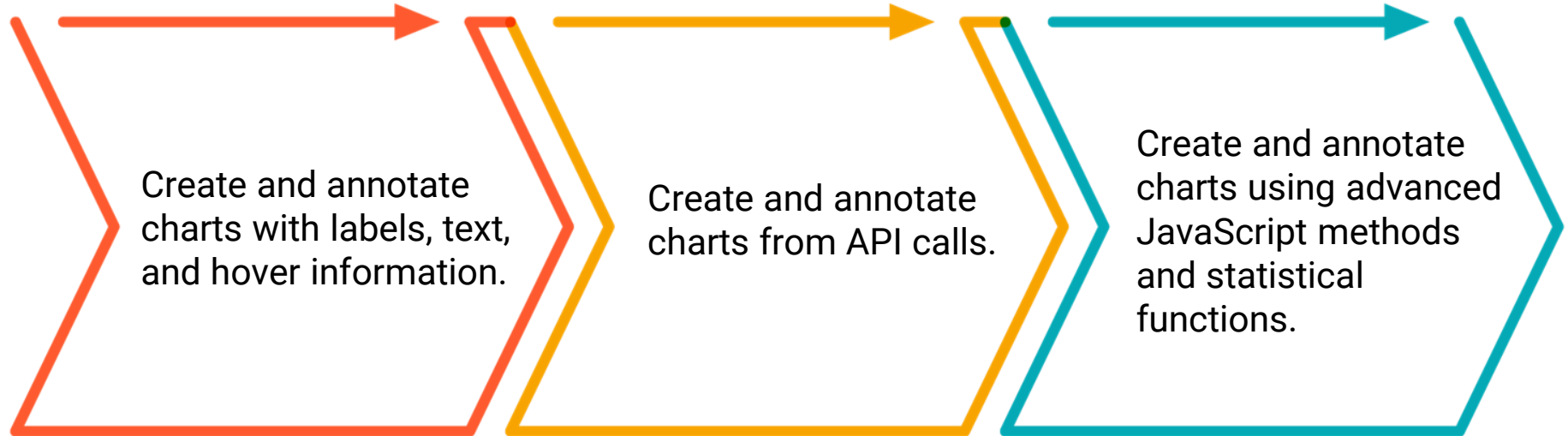
# The Journey to JavaScript



# Learning Outcomes

---

By the end of this unit, you will be able to:



# Today's Class

# Today's Goals

---

By the end of this class, you will:



Create basic plots in Plotly.



Use the JavaScript `filter()` method.



Use the JavaScript Math library.



Use `map()` to create Plotly charts.



# Today's Goals

---

By the end of this class, you will:



Create basic plots in Plotly.



Use the JavaScript `filter()` method.



Use the JavaScript Math library.



Use `map()` to create Plotly charts.

# Today's Goals

---

By the end of this class, you will:



Create basic plots in Plotly.



Use the JavaScript `filter()` method.



Use the JavaScript Math library.



Use `map()` to create Plotly charts.

# Today's Goals

---

By the end of this class, you will:



Create basic plots in Plotly.



Use the JavaScript `filter()` method.



Use the JavaScript Math library.



Use `map()` to create Plotly charts.

# Today's Goals

---

By the end of this class, you will:



Create basic plots in Plotly.



Use the JavaScript `filter()` method.



Use the JavaScript Math library.



Use `map()` to create Plotly charts.