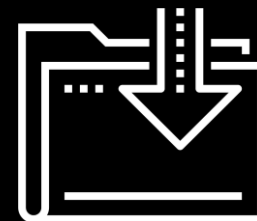




Introduction to Plotly

Data Analytics and Visualization



Why Plotly?

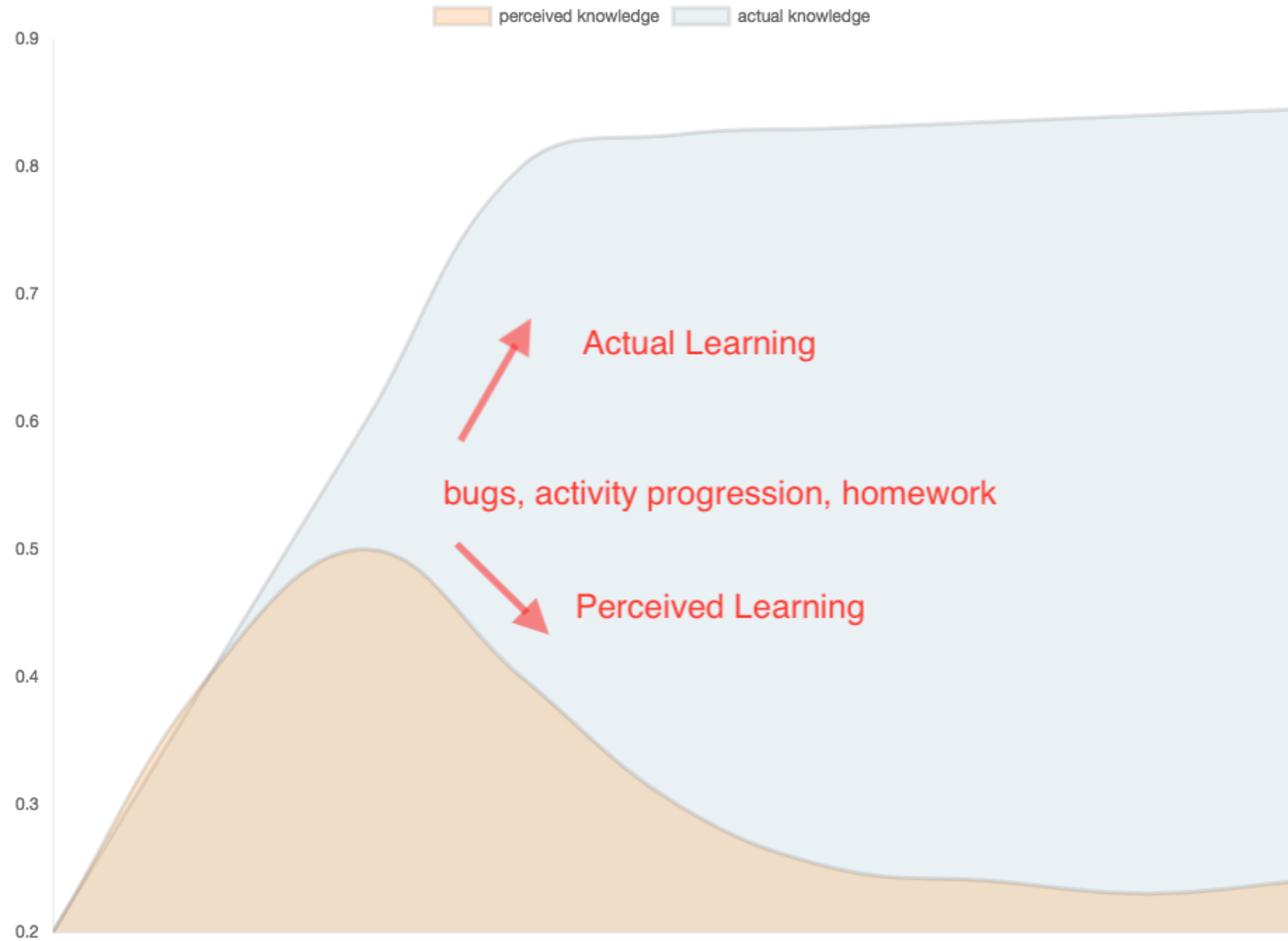
- The focus for this section of the course is to build interactive visualizations for an audience.
 - The idea behind this skill is that you provide the customer/consumer/client with the ability to visualize complex data so that they can explore and draw their own conclusions from it.
 - This is a big trend in reproducible data science and data journalism.
 - Here is an article that has some explanation about this:
<https://medium.com/@FILWD/from-data-visualization-to-interactive-data-analysis-e24ae3751bf3>
-

Why Plotly?

- Communicate data insight and visualization to a wide audience using the browser.
 - More visually appealing than Matplotlib.
 - 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:

- ☐ Create and annotate charts with labels, text, and hover information.
 - ☐ Create and annotate charts from API calls.
 - ☐ Create and annotate charts using advanced JavaScript methods and statistical functions.
-

Today's Class

Class Objectives

By the end of the class you will:

- ☐ Create basic plots in Plotly.
 - ☐ Use the JavaScript filter() method.
 - ☐ Use the JavaScript Math library
 - ☐ Use map() in creating Plotly charts.
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