

Plotly Practice Activity

MSBA 325

The objective of this activity is to practice on visualizing with Plotly on Python.

Plotly Tutorial (optional if you are familiar with Plotly)

1. Go to this website that includes some examples of Plotly visualizations:
<https://plotly.com/python/ipython-notebook-tutorial/>
and Implement parts (i to iv) of the tutorial (note that you can run those examples offline without the need to create an account on Chart Studio)
2. Read this overview article on Plotly Express:
<https://medium.com/plotly/introducingplotlyexpress-808df010143d>
3. Try the examples of creating animations with Plotly Express in the same Jupyter notebook:
<https://plotly.com/python/animations/>

For more tutorials on Plotly, please refer to: <https://plotly.com/python>

Apply what you Learned

1. Get a dataset (or more if you like) from <https://linked.aub.edu.lb:8502/> that you find interesting
2. Load it in Python and apply five different types (e.g., bar chart, line chart, pie chart, etc.) of visualizations using plotly.
3. Paste the generated visualizations into a PowerPoint document. After each visualization, answer the following two questions:
 - Briefly describe the key insights that this chart conveys.
 - Why was this chart type chosen to represent this information instead of another chart type? Explain your reasoning.

Zip the PowerPoint document with the source code files into one file and upload it to Moodle.