

Data Visualization

Optional Activity: (2 - 4 hours)

Learn how to use Azure and Python tools to visualize data in a web application. This exercise can be done individually or as a team. If done as a team, material learned may be included with the team presentation for additional points. Some of these exercises have not been covered as yet in the bootcamp, so this activity is optional. It is not required to complete all the tasks if this activity is attempted:

Data visualization with Azure Data Explorer:

<https://learn.microsoft.com/en-us/azure/data-explorer/viz-overview>

<https://learn.microsoft.com/en-us/azure/data-explorer/visualize-power-bi-archive>

Using Azure Maps:

<https://learn.microsoft.com/en-us/azure/azure-maps/quick-demo-map-app>

Use any non-Flask method to create a website using Python (e.g., gradio or nicegui):

<https://gradio.app/demos/>

<https://nicegui.io/#examples>

Deploy a Python Flask Web app with PostgreSQL in Azure:

<https://learn.microsoft.com/en-us/azure/app-service/tutorial-python-postgresql-app>