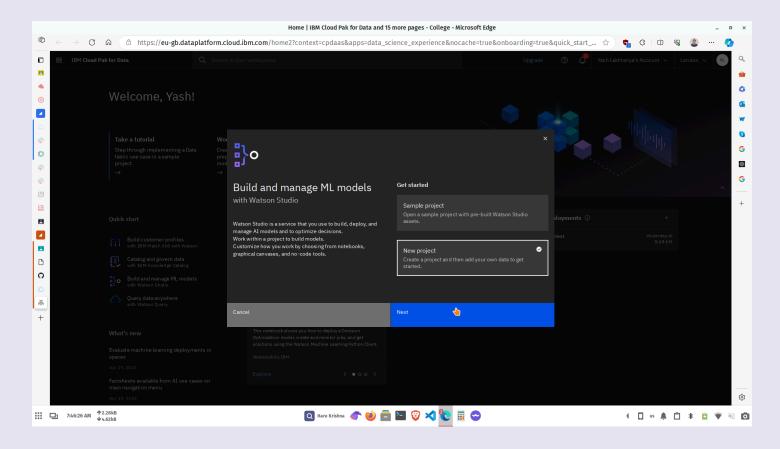
<u>Aim</u>: Assume you are working in a company where you need to extract useful insights from the data collected by organization. Demonstrate how to analyze large datasets with Python data science packages. We'll provide an example use case of analyzing hourly air quality data provided by the EPA.

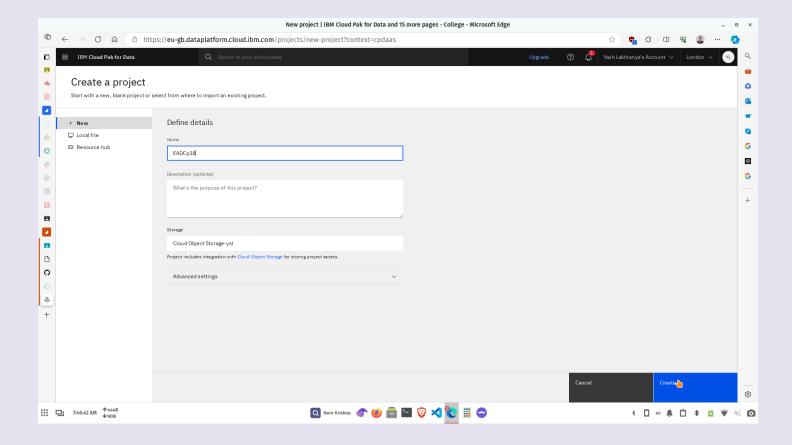
Perform the following Tasks:

- 1. Create a Juypter notebook in Watson Studio
- 2. Extract patterns from datasets using pandas
- 3. Visualize data trends via matplotlib graphs

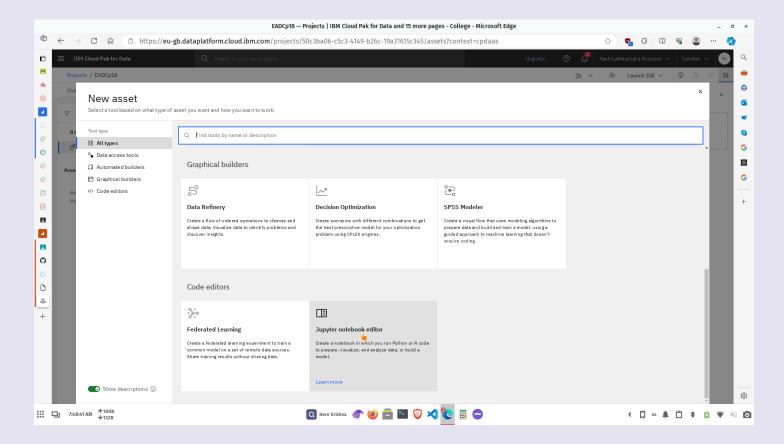
Steps and Screenshots:

1. Create new project on Watson Studio IBM instance

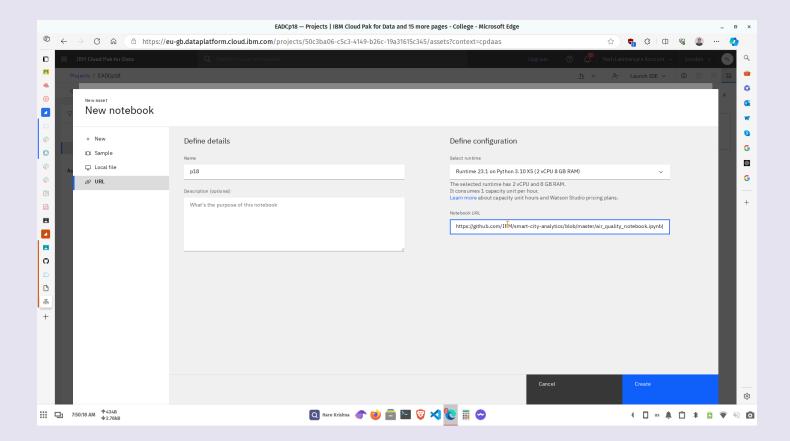




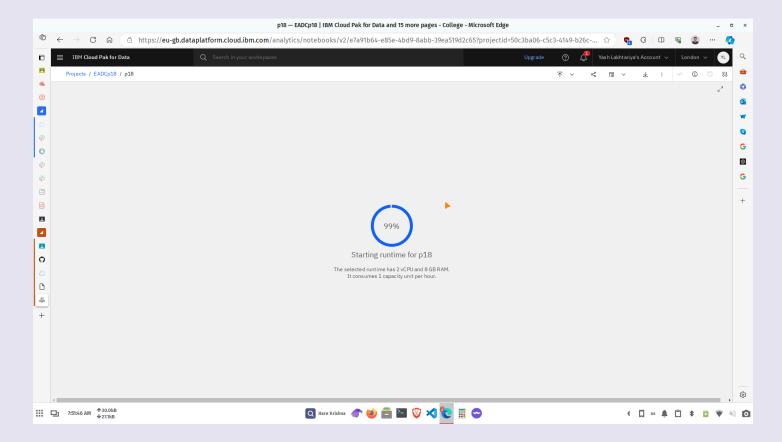
2. Add asset of Jupyter notebook



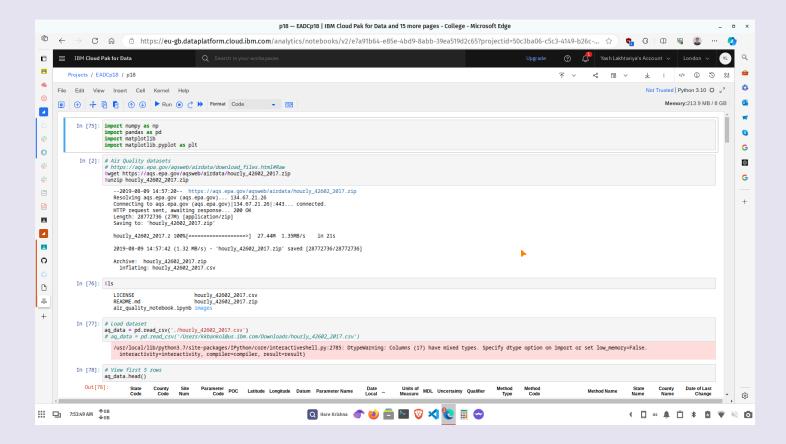
3. Add new notebook from URL source and provide URL for ipynb file, here from Github

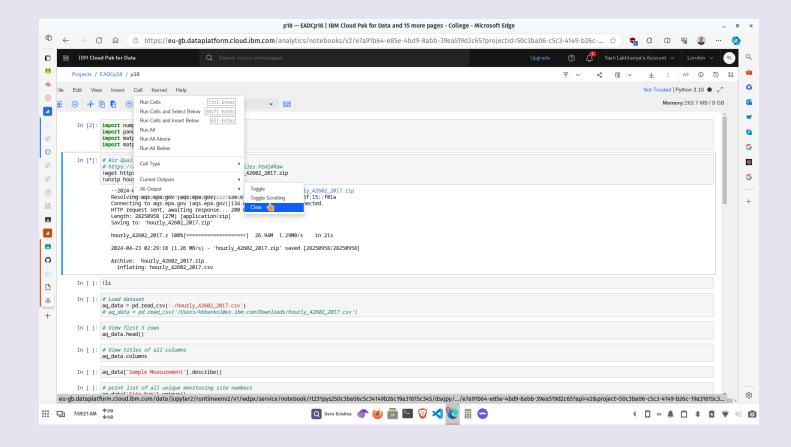


4. Wait for creation to be completed

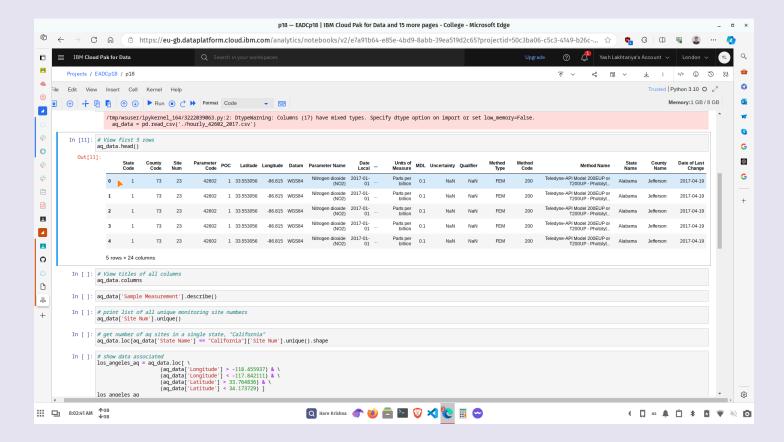


5. Now explore the notebook, first clear all outputs





6. Check data imported from csv file downloaded via wget



7. Try adding columns derived from given columns of data, like Weekday column using Date given and getting day by datetime library, and plotting data day and timewise

