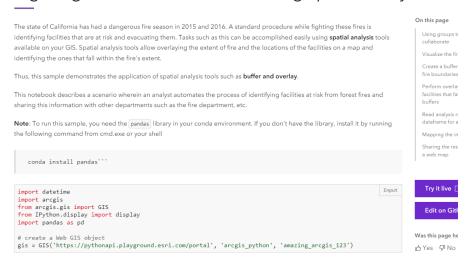
Public Wildfire GIS Resources

- Title: Fighting California forest fires using spatial analysis
 https://developers.arcgis.com/python/samples/fighting-california-forest-fires-using-spatial-analysis/
 - a. Uses Esri, Pandas library, Conda environment and ArcGIS API for Python
 - b. **Summary:** This notebook describes a scenario wherein an analyst automates the process of identifying facilities at risk from forest fires and sharing this information with other departments such as the fire department, etc..
 - i. spatial analysis tools such as buffer and overlay.
 - c. What I like: Straight and easy to follow coding. The actual geoprocessing makes sense and yields interesting results
 - d. What I dislike: The layers and data are all public and taken from a group on Python API Playground so could easily be corrupted or outdate
 - e. **Potential decision-making use**: Firefighters could use the output to prioritize certain facilities and delegate resources differently according to the risk level of each facility.

Fighting California forest fires using spatial analysis



2) Title: California wildfires 2017 - Thomas Fire analysis

https://developers.arcgis.com/python/samples/california-wildfires-2017-thomas-fire-analysis/

a. Uses Esri and ArcGIS API for Python

- b. **Summary**: A California wildfire in 2017 was the worst in the state's history. This notebook visualizes the damage using image analysis, side by side comparisons, and quantitative assessment. Burnt areas are calculated and visualized via maps
- c. What I like: The notebook does a good job at visualizing what is being calculated, what the results look like, and the analysis behind it
- d. **What I dislike**: Its coding is a bit length for anyone who is still getting comfortable with python. The data is also accessed through a group which requires logging in to.
- e. **Potential decision-making use:** Scientists and firefighters could use this data in preparing for the next big fire. The burnt areas and calculations can show us how quickly the wildfire spreads according to the wind, and what damage it can cause to infrastructure.