Support and Training in Geospatial Data Analysis and Sharing

1. Review of previous training material from November 30th - December 1st training via short quiz.
2. Introduction to Python (Bootcamp style)
    a. What is Python
    b. Define Interpreted language
    c. Variables, data types
    d. Conditionals; if, if-else, if-elif-else
    e. For loop, while loop
    f. Activity; write a program that solves a problem using data types,variables, conditionals
3. Reintroduction to the Digital Earth rooftop classification project
    a. Working example (**Intro to Geopandas- see ..Next we are going to load the results of the Machine Learning model for Dominica's building footprint delineation and roof classification. This is contained in a geopackage.**)
    b. Discussion
    c. 02_building_classification.ipynb runs without error in Google Colab NOT Jupyter
4. Python
    a. Functions
    b. Activity; write 2 program that solves problems using functions
    c. Classes
    d. Activity; write 2 programs that solves problems using functions
5. Pandas, Geopandas
    a. What are the Pandas and Geopandas libraries
        i. Review with Notebooks from November 30th - December 1st 2023
    b. Examples using pandas and Geopandas
        i. Current Notebook
        ii. Create Interactive Map:- **leafmap.Map**
        iii. Convert csv to dataframe:- **leafmap.csv_to_df**
        iv. Convert csv to geodataframe:- **leafmap.csv_to_gdf**
        v. Add geodataframe to map:- **add_xy_data (leafmap.Map)**
    c. Activities; realistic uses of Pandas and Geopandas functions