

How to Run the Code Package

Below are the steps to run the ArcGIS Pro project and toolbox.

1. **Download the Project Zip File:**

Download the entire project as a ZIP file and save it to a location of your choice.

2. **Extract the Zip Folder:**

Extract the ZIP file to your chosen directory on your computer.

3. **Open the GIS Project in ArcGIS Pro:**

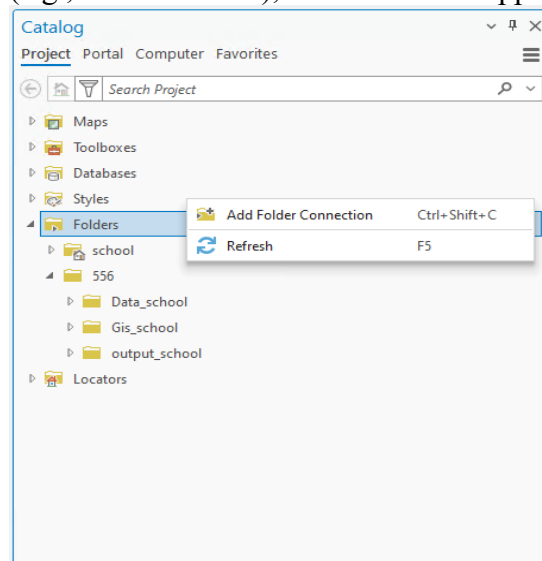
Inside the extracted folder, open the `GIS_school` folder and double-click the `school.aprx` file to open it in ArcGIS Pro.

4. **Open the Catalog Pane:**

In ArcGIS Pro, go to the **View** tab and select **Catalog Pane** to open it on the right side.

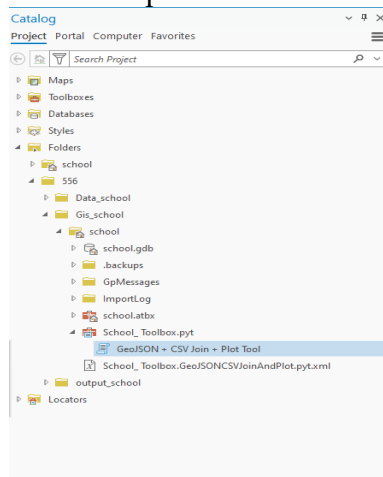
5. **Add a Folder Connection if Needed:**

If you don't see your folder in the Catalog Pane, right-click on **Folders** and choose **Add New Folder Connection**. Navigate to the folder where you extracted the files (e.g., the `556` folder), and add it so it appears in the Catalog.

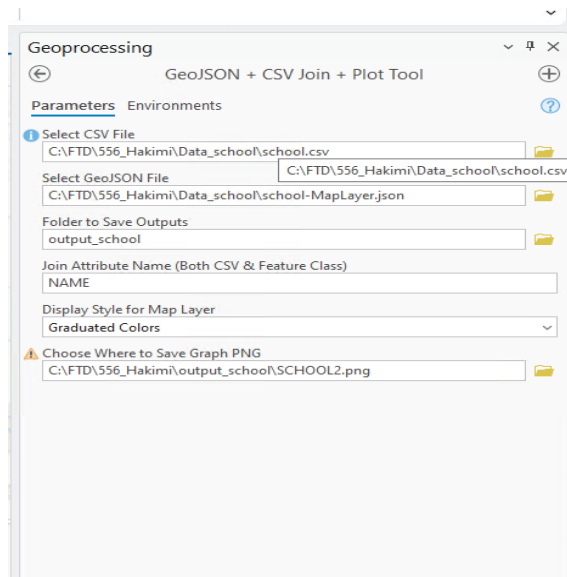


6. **Open the School Toolbox:**

Once the folder is connected, expand `GIS_school` and double-click the `school` toolbox. Open the tool named "GeoJSON + CSV Join + Plot Tool."



• **Note:** If you don't see the "GeoJSON + CSV Join + Plot Tool" right away, first double-click the `school` toolbox to load its contents. Once it appears, you can then double-click the "GeoJSON + CSV Join + Plot Tool" to open the geoprocessing window.



7. **Select Input Files:**

In the tool window, you will have two input files to select:

1. **Select CSV File:** Choose `school.csv` from the `Data_school` folder.
2. **Select GeoJSON File:** Choose `school-MapLayer.json` from the same `Data_school` folder.

8. **Set Output Location:**

Under the output settings, select the `output_school` folder as the folder to save your outputs.

9. **Set Join Attribute Name:**

For the join attribute, type `NAME` in uppercase letters to ensure the CSV and feature class match correctly.

10. **Set Display Style for Map Layer:**

Choose "Graduated Color" as the display style for the map layer to visualize the data.

11. **Choose Where to Save Graph PNG:**

Finally, specify the path and file name for the output PNG file (e.g., `output_school2.png`).

12. **Check the Result:**

After running, you should see the resulting map appear, confirming everything worked correctly.

