**How to setup a code editor for geoprocessing and data manipulation in Python**

**Step 1: Install Visual Studio (VS) Code**

[**https://code.visualstudio.com/**](https://code.visualstudio.com/)

**Step 2: Clone Python environment from ArcGIS Pro**

* Open ArcGIS Pro
* <https://pro.arcgis.com/en/pro-app/3.3/arcpy/get-started/clone-an-environment.htm>
* Put the environment clone in a location that you can find easily.

**Step 3: Create/open folder in VS Code**

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This folder location will be used to store scripts and any input datasets.

**Step 4: Download extensions**

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Hit the icon with squares on the left toolbar. You need to download the main Python and Jupyter extensions.

**Step 5: Select interpreter and initialize Jupyter kernel**

* File > New File…
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Select Jupyter Notebook

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Show and Run commands (> shortcut)

* Start typing “interpreter” and select “Python: Select Interpreter”
* Enter interpreter path… and input the location of the cloned environment you created in ArcGIS Pro.
* “Select Kernel” in top right corner.

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* Make sure you select the correct kernel with the location you just entered for the cloned environment. A screenshot of a computer

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* This ensures that you have all the correct packages and permissions setup for using ArcGIS with Python.