Creating Python Scripts for ArcGIS

Duration: 3 Days (24 Hours)

Script. Save time. Repeat.

Time is valuable. Learn how to create scripts that will streamline your GIS work. This course teaches how to access the Python environment in ArcGIS Pro, script common data management tasks, and automate geoprocessing workflows. You'll learn techniques to share your scripts so they are easily accessible both inside and outside ArcGIS Pro.

Goals

Apply Python syntax rules, error-handling techniques, and tool validation to create robust scripts in ArcGIS Pro.	**Use** lists and loops to repeat geoprocessing tasks within a script to create an efficient, repeatable analysis workflow.	**Use** cursors to access geospatial data, edit attributes, and create and modify features.	**Create** geoprocessing packages and custom script tools to share your Python scripts with other ArcGIS users.

Who should attend?
GIS Developers

Suggestion

Completion of **ArcGIS Pro: Essential Workflows** or **Migrating from ArcMap to ArcGIS Pro** or equivalent knowledge is required. Some familiarity with Python and basic programming concepts is assumed. Those new to Python should complete the free web course **Python for Everyone** prior to class.

Software

Esri will provide the following software to use during class:

- **ArcGIS Pro 2.2 (Standard or Advanced)**
- **ArcGIS 3D Analyst**
- **ArcGIS Spatial Analyst**

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