Python for GIS

3-Day Course

Overview

Python is becoming more and more popular for writing custom scripts in ArcGIS. In ArcGIS 10, the command line window been replaced with the Python window which executes true Python statements. Python scripts can be used to manipulate a map, execute geoprocessing commands, and read/write files. This three-day course teaches basic Python syntax, working with ArcPy (the Python scripting module for ArcGIS), and file manipulation.

Audience

This course is for those who are already comfortable with the basics of ArcGIS and want to learn how to write Python scripts to manipulate data and maps.

Topics Covered

Day 1


Day 2


Day 3


Input and Output: Reading From and Writing Data to Text Files. Creating Log Files. Converting Data Types. Creating Python Objects with the Pickle Modules. Formatting Strings.


Prerequisites and Recommendations

Students should have knowledge of Microsoft Windows® and be familiar with the basic use of ArcGIS, including the topics covered in either the Fundamentals of ArcGIS or ArcGIS Desktop I classes.