

Intermediate ModelBuilder

2-Day Course

Overview

This two-day course teaches students how to create more complex and advanced models in ModelBuilder for ArcGIS. Students learn how to create dynamic models that prompt for input when run. Models are made more sophisticated by looping through multiple inputs. The various types of looping and best practices are discussed. Students will also learn options for exporting models to scripts and some basic Python scripting syntax.

Audience

This course is for those who are already comfortable with the basics of ArcGIS ModelBuilder but who want to learn more about iteration and looping, variables, branching and Python, in ArcGIS ModelBuilder.

Topics covered

Review of ModelBuilder

- Geoprocessing
- Data types
- Output options
- Model parameters
- Model properties

Iteration and looping

- Batch processing
- Iteration by lists
- Iteration by series
- Iteration by count
- Iteration feedback and variables
- Branching

Exporting models

- Basic scripting
- Python
- Creating script tools
- Calling a script from a model

Prerequisites and recommendations

Students should be familiar with the basic use of ArcMap and ModelBuilder, including the topics covered in the **Geoprocessing with ArcGIS ModelBuilder** classes.