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Iterators in ModelBuilder

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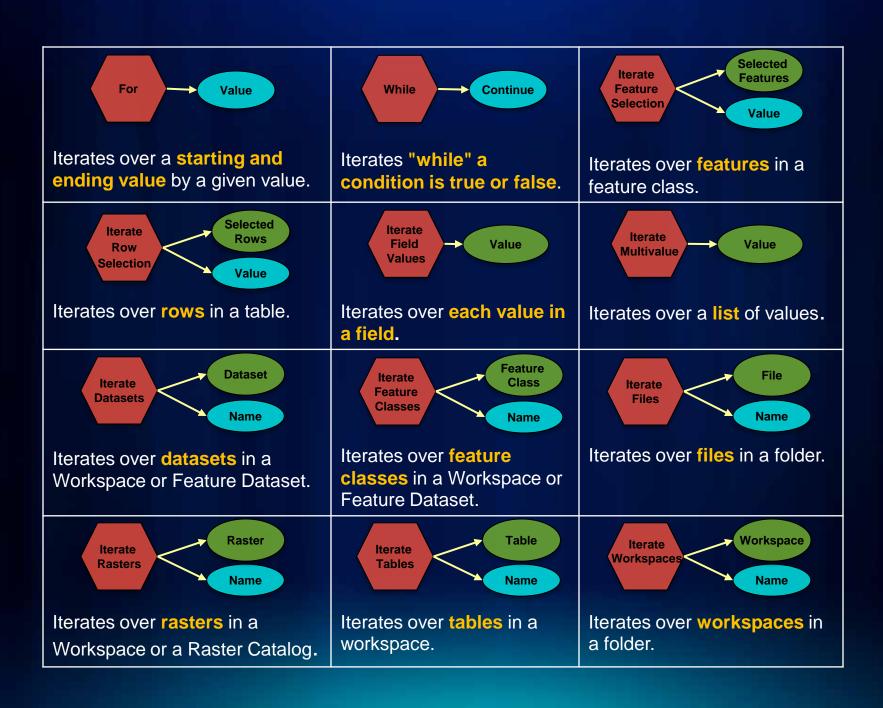
What is iteration?

Iteration = looping = repeat a process over and over

Iteration in ModelBuilder = Run entire model or a single tool or process repeatedly

Tools to iterate in ModelBuilder = Iterators





Where to get help? Click Doc, Tutorials, Book

Desktop 10

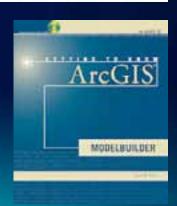
Geoprocessing

- What is geoprocessing?
- A guick tour of geoprocessing
- Essential geoprocessing vocabulary
- Geoprocessing tools
- The geogrocessing framework
- Commonly used tools
- Finding tools
- Executing tools
- Managing tools and toolboxes
- Creating tools
- Sharing tools

Geoprocessing with MadelBuilder

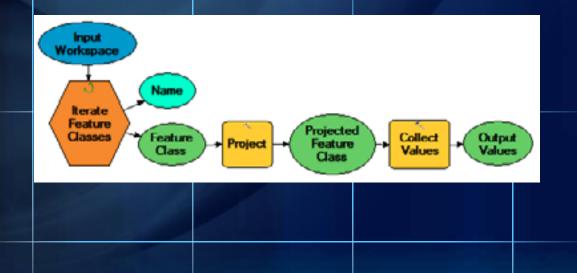
- What is ModelBuilder?
- A guick tour of ModelBuilder
- Essential ModelBuilder vocabulary
- Tutorials
- ModelBuilder basics
- Using ModelBuilder to execute tools
- Using ModelBuilder to create model tools
- Advanced Techniques in ModelBuilder
 - A quick tour of advanced techniques in ModelBuilder
 - Using in-line variable substitution
 - Using Lists
 - Using Iterators for iteration (Looping)
 - A quick tour of using iterators for iteration—(Looping)
 - Which iterator to use for what task?
 - Example of using an iterator in a model
 - Accessing iterators in ModelBuilder

Tutorial 1 - Iterate Feature Classes **The first place frames fr

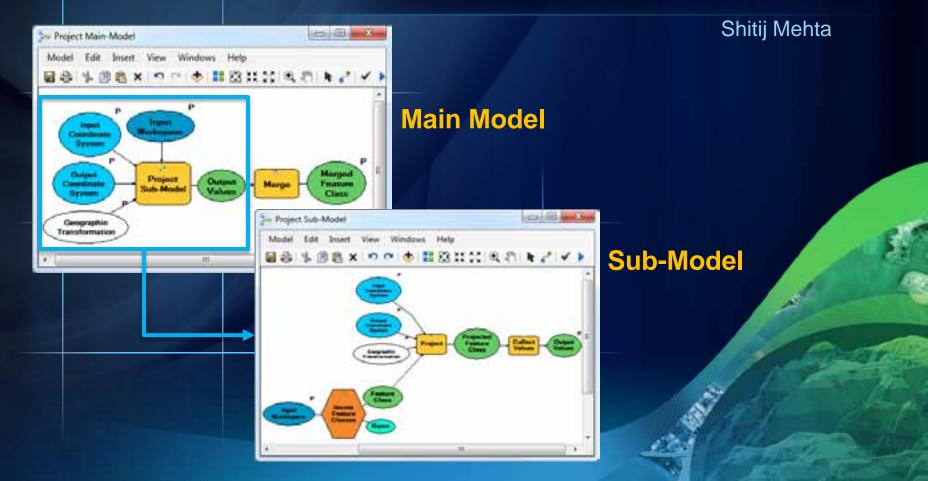


Demo 1 – Iterating Feature Classes

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Demo 3 - Model within a Model

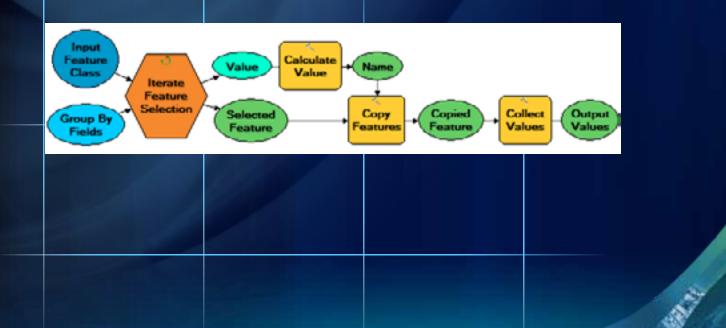


Rules for a using iterators

- Only one iterator can be used per model.
- Add only the tools you want to run as many times as an iterator in the same model.
- The output of any tool connected to the iterator can have (if required) a unique name for each iteration to avoid being overwritten by
 - Using the system variable %n%
 C:\Sctatch\scratch.gdb\output_%n%
 - Using the Name or Value output of the iterator
 C:\Sctatch\scratch.gdb\output_%Name%
 C:\Sctatch\scratch.gdb\output_%Value%
 - Using any other variable in the model as an inline variable
 C:\Scratch\scratch.gdb\output_%XYZ%

Demo 3 – Iterating Feature Selection

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Thank You!!!!

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