ModelBuilder – Getting Started
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Agenda

- What is geoprocessing?
- The problem we will solve
- Create a model
- Streamline the model
- Tips and pitfalls
- Sharing models
- Where to get help
What is Geoprocessing?
But first, what is spatial analysis?

how we understand our world—
mapping where things are,
how they relate, what it all means,
and what actions to take
Ask questions
Explore the data
Analyze and model
Interpret the results
Repeat as necessary
Present the results
Make a decision
Geoprocessing is...

- The ArcGIS system for managing and manipulating data
  - Solve spatial problems
  - Diagram workflows
  - Ask questions
  - Get results
The Geoprocessing Framework

- Search
- Tools
- ModelBuilder
- Python Window
- Scripts
Workflow for Presentation

- **Goal:** Map parks for citizens
- **Problem:** Park data needs to be organized
  - Park areas lack facility information
  - Activity data spread across multiple point layers
  - Data does not fit web application
  - Need to automate data update process
Don’t Forget!

1. Create a model and set properties
2. Sketch out the workflow and test
3. Streamline with parameters and variables
4. Control the flow with pre-conditions
5. Share you work
7. Leverage the Geoprocessing Framework
ArcGIS Resources

• **ArcGIS Online Help**

• **Communities – Analysis and Geoprocessing**

• **Blogs**

• **Videos**
  - [http://video.arcgis.com/channels](http://video.arcgis.com/channels)

• **Forums**
  - [https://geonet.esri.com/community/gis/analysis/geoprocessing](https://geonet.esri.com/community/gis/analysis/geoprocessing)
Learning More at the Conference

- **ModelBuilder: Branching, Iterating, and Other Advanced Methods**
  - Tuesday 1:30PM – 2:45PM, Room 04
  - Wednesday 3:15PM – 4:30PM, Room 03

- **Automating Geodatabase Creation with Geoprocessing Tools**
  - Tuesday 3:15PM – 4:30PM, Room 14 B
  - Thursday 3:15PM – 4:30PM, Room 15 A

- **ModelBuilder: Tips and Tricks**
  - Wednesday 10:30AM – 11:00AM, Demo Theater – Analysis and Geoprocessing Exhibit Hall B

- **And many more….**
Thank you...

• Please fill out a session survey:

Offering ID:  1707

Online – www.esri.com/ucsessionsurveys
Paper – pick up and put in drop box
Understanding our world.