Building a Custom ArcGIS Tool

Patrick McKinney

GIS Specialist @ Cumberland County

President @ PAMAGIC

pmckinney@ccpa.net

https://github.com/pmacMaps

New To ArcPy?

1. ArcGIS Pro ArcPy [Reference](#)
2. Esri Web [Courses](#) (free & "paid")
3. Introduction to Geoprocessing Scripts Using Python ([Esri Instructor-Led](#))
4. uDemy courses ([2 courses](#))
5. [GIS StackExchange](#), [StackOverflow](#), etc

The Process

1. Define goals for tool
2. Review ArcPy docs for tool parameters
3. Sketch out flow of geoprocessing tasks
4. Write Python script
5. Create/configure ArcGIS tool
6. Test. Revise. Test …

Some General Tips

- ➤ Import required modules
- ➤ Utilize Try/Except statements
- ➤ Consider using functions/modules
- ➤ Use ArcPy's AddMessage() and AddError() methods
- ➤ Follow good coding practices

Let's Build the Tool!

Get in Touch!

Patrick McKinney

GIS Specialist @ Cumberland County
President @ PAMAGIC

pmckinney@ccpa.net
https://github.com/pmacMaps/ArcPy

Presentation Content: https://github.com/pmacMaps/create-buffer-from-point-hgb-meetup