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GIS TRAINING CENTER

Scripting in ArcGIS with Arcade

Course Length: 1 day
ArcGIS Version: Pro 3.x
App: ArcGIS Pro

Overview

Arcade is a simple scripting language used across the ArcGIS Platform to customize label expressions and pop-ups, and to create sophisticated symbology by manipulating attributes on-the-fly. Arcade is a secure, cross-platform language which works in ArcGIS Pro, ArcGIS Online and Portal, and in web apps running on desktops or mobile devices. You do not have to be a programmer to incorporate Arcade scripts into your maps and apps. This course will give you a great foundation in the scripting language, and some tips and tricks for incorporating Arcade into your work.

Audience

ArcGIS Online and ArcGIS Desktop users who want to create better, more useful maps by improving the presentation of pop-ups and labels, and by creating symbology using on-the-fly attribute manipulation.

Topics Covered

- The Arcade Language – Understanding Where and How Arcade Is Used. (Why Arcade?; Arcade for Customizing Pop-ups; Arcade for Label Expressions; Arcade for Symbology)
- Arcade Basics – Getting Familiar with Arcade Syntax and Rules. (Arcade Syntax; Arcade Profiles; Arcade Returned Values; Arcade Rules; Commonly Used String Manipulation Functions; Simple Field Calculations in Labels and Pop-ups)
- Conditional Statements – Doing More with Your Script – Letting Your Script Make Decisions (If/then Conditional Statements; Using Conditional Statements for labeling, pop-ups, and symbology)
- Arcade Functions– Manipulating Strings, Dates and Numbers, and Accessing Geometry Data. (Calculations with Arcade; Manipulating Strings and Dates with Arcade; Functions for Accessing Geometry Information)
- Arcade for Symbology – Setting Display Properties with Arcade. (Special Symbology with Arcade)

Format

In-person instruction with hands-on practice and course materials you can keep.

Prerequisites and Recommendations

Attendees should have knowledge of Microsoft Windows® and be familiar with the basic use of ArcGIS Pro, including the topics covered in the **Introduction to ArcGIS Pro** course**.** Familiarity with web mapping in ArcGIS Online or ArcGIS Enterprise Portal is helpful, including the topics covered in **Web Map Essentials – Adding ArcGIS Online and Portal to Your GIS Skillset** or equivalent classes.