

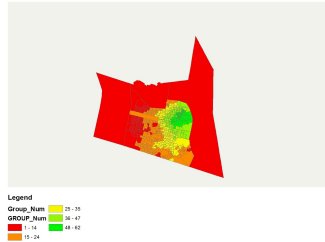
CreateGroupClass

Title CreateGroupClass

Description

This scripting tool is designed to take selected fields and create an added field that classifies based on their unique combinations of values using numpy.

Illustration



Usage

The goal of this script is to add a group field based on a selection of fields chosen in the tool. Two fields will be added, one with a number representing the group ID (can be dissolved or summarized on), and another with a string with the query used to isolate it. The names of the fields are based on the base name parameter.

Syntax

CreateGroupClass (Input_Feature_Class, Fields_to_Group, Base_Name)

Parameter	Explanation	Data Type
Input_Feature_Class	<p>Dialog Reference</p> <p>This is the selected input feature class that will have new group fields joined to it. If the fields already exist, they will be updated by the tool.</p> <hr/> <p>Python Reference</p> <p>The feature class uses the ExtendTable function used from the DA module of arcpy to join a modified structured numpy array with column-wise group IDs joined to it.</p>	Feature Layer
Fields_to_Group	<p>Dialog Reference</p> <p>These are the fields you want unique group categories of. It can be used to make a unique ID out of several different field attributes.</p> <hr/> <p>Python Reference</p> <p>Uses dynamic query creation to generate isolated numpy arrays to join to the input table.</p>	Multiple Value

Base_Name

Dialog Reference

String

This is the string that is prepended to the the new field names. The field name will be this basename along with either the strings "Num" or "String" appended to the end.

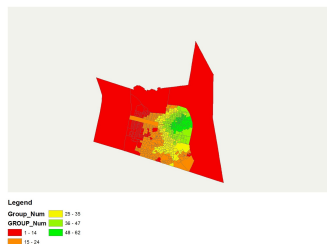
Python Reference

The fields will validated based on the work space.

Code Samples

There are no code samples for this tool.

Side-panel Help Illustration



Tags

Group Field, Dynamic Queries, Numpy, 10.4, ArcGIS

Credits

David Wasserman

Use limitations

This scripting tool only using numpy functions/methods. Can likely be used with 10.3.1 and ArcGIS Pro.

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