DensityToVector

Title DensityToVector

Description

This script is intended to help aid a density based network/vector analysis process by computing KDEs, associating them with a target vector file, and computing percentile scores of non-zero/null density scores. This helps with cartography and analysis on networks and other vector data.

Usage

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Syntax

DensityToVector (Input_Density_FC, Weight_Fields, Input_Target_Vector, {Add_Percentiles}, Cell_Size, Search_Radius, Areal_Unit_Factor)

Parameter	Explanation	Data Type
Input_Density_FC	Dialog Reference Feature class of point values that will be used to compute kernel densities. There is no python reference for this parameter.	Feature Class
Weight_Fields	Dialog Reference Density feature class fields that are used to both weight and filter kernel density estimates. Each kernel density is computed on non-null values, but a weight of 0 will still be treated as non-existent data. There is no python reference for this parameter.	Multiple Value
Input_Target_Vector	Dialog Reference This is the target network/vector that the kernel densities will be associated with. Zero values will be turned into nulls. There is no python reference for this parameter.	Feature Class
Add_Percentiles (Optional)	Dialog Reference If true, this will add a percentile calculation for every weight field. There is no python reference for this parameter.	Boolean
Cell_Size	Dialog Reference Cell Size of output KDE rasters to be associated with network.	Long

	There is no python reference for this parameter.	
Search_Radius	Dialog Reference Search Radius of KDE estimation function of ArcGIS. There is no python reference for this parameter.	Double
Areal_Unit_Factor	Dialog Reference Determines output units of KDE estimation. There is no python reference for this parameter.	String

Code Samples

There are no code samples for this tool.

Tags

Density, network

Credits

David Wasserman

Use limitations

There are no access and use limitations for this item.

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