On-the-fly image processing in ArcGIS Pro

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Overview

- What are Raster Functions?
- Categories and Tabs
- Importing a raster function
- Repeating a process with one function chain
What are Raster Functions?

• Used to perform data analysis on-the-fly
  - Immediate results
  - No intermediary data is created

• No new data is created
  - All results are performed on the fly

• Located on the Raster Function Pane
How do I access the Raster Functions Pane

• Analysis tab > Raster Functions icon
How do I use the Raster Functions Pane

1) Highlight the raster layer in the Contents pane
2) Browse or search for the function you want to use
3) Click on the raster function you want to use
4) Edit all your parameters
5) Click “Create New Layer”
Demo

Using the Raster Functions pane
You can create and organize all the processes you want:
- Create a new category
- Copy functions to your category
- Import functions to your category
- Create a new function and save it in your category
Import a process

- If you have an RFT (raster function template) file with a set of functions, you can import it into ArcGIS Pro
  - Created in ArcMap
  - Created in ArcGIS Pro
- Allows you to import existing workflows, or to share new workflows
Save Function Chain

• After you create a sequence or chain of processes, you can save out the “chain” into a custom category.
  - You can now perform the same workflow on a new layer with a single function
  - Or you can share out this workflow to a co-worker
    - Export
    - Or Share to Portal
Demo

Customizing your Raster Functions pane
Thank you…

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