

ArcGIS Pro: Tips and Tricks

Greg Hakman | Esri Account Executive | State and Local Government



ArcGIS

What does the 'Arc'
in ArcGIS stand for?

ALWAYS RIGHT CLICK!

UPDATED START PAGE

ARCGIS PRO 3.0



START PAGE

ArcGIS® Pro

Greg - San Antonio SLG Team
[Sign out](#) <https://www.arcgis.com/>

Home

Learning Resources

Settings

New Project



Map



Catalog



Global Scene



Local Scene



Start without a template



Learning Resources

Recent Projects

Recent Projects

Find



Open another project



MS_WaterLocationAllocation

C:\Users\ana12266\Documents\ArcGIS\Projects\M... 9/13/2022 9:59 PM



Arkansas

C:\Users\ana12266\Documents_Ana\Ar



GIS Redlands

C:\Users\ana12266\Documents\ArcGIS\Projects\GIS Redlands\GIS...

Remove Project From List

Show In File Explorer

Clear Recent Projects



START PAGE

Discovery Paths
Explore ArcGIS Pro through curated collections of tutorials, blog posts, and videos

- What's New**
See what's new and improved in ArcGIS Pro 3.0
- Help**
Access our comprehensive product documentation
- More Tutorials**
Follow guided lessons based on real-world problems
- Esri Academy**
Find instructor-led courses, MOOCs, web courses, videos, and training s...
- ArcGIS Blog**
Get insider info from the ArcGIS Pro product team
- Esri Community**
Share ideas, solve problems, and build relationships

Coming from ArcMap?

- Import an ArcMap document
- ArcGIS Pro Migration Guide
- For ArcMap users

Quick-start tutorials
These step-by-step t...

- Mapping and visualization**
Learn essential techniques of map design and data visualization
- Raster data and imagery**
Visualize and analyze raster data and satellite imagery

Create a project
Create a project, and data to a map of en species habitats

Symbolize map la
Choose and custom symbols for an urba transportation netw

Home
Learning Resources
Settings

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- Settings

Map | Catalog | Global Scene | Local Scene | Start without a template

Learning Resources

Recent Projects

Find

Open another project

	MyProject2 C:\Users\gre11968\Documents\ArcGIS\Projects\MyProject2\MyProject2.aprx	8/29/2023 12:58 PM
	MyProject1 C:\Users\gre11968\Documents\ArcGIS\Projects\MyProject1\MyProject1.aprx	4/26/2023 1:06 PM
	HouseExpansion C:\Users\gre11968\Documents\ArcGIS\Projects\HouseExpansion\HouseExpansion.aprx	1/3/2023 7:25 AM
	MyProject C:\Users\gre11968\Documents\ArcGIS\Projects\MyProject\MyProject.aprx	12/14/2022 10:23 AM
	TargetHazardAnalysis C:\Users\gre11968\AppData\Local\Temp\2\Temp1_TargetHazardAnalysis.zip\TargetHazardAnalysis.aprx	

Recent Templates Start with another...
[Learn more about creating project templates](#)



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New Project



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Start without a template



Learning Resources

Recent Projects

Find



Open another project



MyProject2

C:\Users\gre11968\Documents\ArcGIS\Projects\MyProject2\MyProject2.aprx

8/29/2023 12:58 PM



MyProject1

C:\Users\gre11968\Documents\ArcGIS\Projects\MyProject1\MyProject1.aprx

4/26/2023 1:06 PM



HouseExpansion

C:\Users\gre11968\Documents\ArcGIS\Projects\HouseExpansion\HouseExpansion.aprx

1/3/2023 7:25 AM



MyProject

C:\Users\gre11968\Documents\ArcGIS\Projects\MyProject\MyProject.aprx

12/14/2022 10:23 AM



TargetHazardAnalysis

C:\Users\gre11968\AppData\Local\Temp\2\Temp1_TargetHazardAnalysis.zip\TargetHazardAnalysis.aprx

Recent Templates

Start with another...

[Learn more about creating project templates](#)



START PAGE

ArcGIS Pro

Options

Options

- Catalog browsing
- Share and Download
- Raster and Imagery
- Full Motion Video
- Display
- Table
- Layout
- Text and Graphics
- Color Management
- BIM
- Metadata
- Indexing
- Location Referencing
- Geodatabase Replication
- Knowledge Graph
- Business Analyst
- Proofing
- Language
- User Interface
- Customize the Ribbon**
- Quick Access Toolbar

Customize the Ribbon

Choose commands from

Popular Commands

- Activate (Layout map fra...
- + Add Data (To map or sc...
- + Add Data (Open add da...
- Attribute Table (Open At...
- Basemap (Choose base...
- Clear (Clear feature sele...
- Copy (Copy the highligh...
- Create (Show Create Fea...
- Delete (Shortcut) (Delet...
- Edit Vertices (Edit featur...

Accelerator

Assign

Show command IDs on ScreenTips

[Learn more about customizing the ribbon](#)

MAIN TABS

- Catalog
- Web
- Metadata
- Georeference
- Pixel Editor
- TIN Editor
- Manage Quality
- Map
- Stereo Map

New Tab New Group Rename

Reset

Import/Export

OK Cancel

CATALOG PANE

TIPS AND TRICKS



CATALOG PANE

The screenshot displays the ArcGIS Desktop interface with the Catalog Pane open. The Catalog Pane shows a tree view of project contents, including a folder named 'Favorites'. A context menu is open over the 'Favorites' folder, listing various actions. Two items are highlighted with orange boxes: 'Copy Path' (Ctrl+Alt+P) and 'Show In File Explorer'. A tooltip is visible over the 'Favorites.gdb' item, providing details about its type, modification date, and file path.

Context Menu Items:

- New
- Add To Project
- Add To Favorites
- Add To New Projects
- Import
- Export
- Manage
- Domains
- Refresh
- Cut (Ctrl+X)
- Copy (Ctrl+C)
- Paste
- Paste Special
- Copy Path (Ctrl+Alt+P)
- Delete (Ctrl+D)
- Rename (F2)
- Show In File Explorer
- View Metadata
- Edit Metadata
- Properties
- ARC GIS Alias
- Locators

Tooltip for Favorites.gdb:

- Type: File Geodatabase
- Modified: 9/11/2022 9:54:56 AM
- Path: <C:\Users\ana12266\Documents\ArcGIS\Projects\Favorites.gdb>



CATALOG PANE

The screenshot displays the ArcGIS Catalog Pane interface. The top ribbon includes tabs for Project, Map, Insert, and Analysis. The Catalog Pane shows a tree view of folders: Folders, MS_WaterLocationAllocation, ArcGIS, ArcGIS_Alias, and Locators. The ArcGIS_Alias folder is selected and highlighted. A context menu is open over this folder, listing actions such as New, Make Default, Remove From Project, Add To Favorites, Add To New Projects, Refresh (F5), Paste (Ctrl+V), Copy (Ctrl+C), and Copy Path (Ctrl+Alt+P). The bottom of the pane shows the 'Catalog' and 'Geoprocessing' tabs.

REPORTS IN ARCGIS PRO

ARCGIS PRO 3.0



REPORTS

MS_WaterLocationAllocation Command Search (Alt+Q) Ana - San Antonio SLG Team

Project **Map** **Insert** **Analysis** **View** **Edit** **Imagery** **Share**

New Map New Layout New Notebook Import Map Import Layout Task Connections Add Folder

Bright Map Notes Dark Map Notes Light Map Notes Paired Map Notes Pastel Map Notes Red Green Map Notes

New Link Chart Distance and Direction Add New Import Favorites

Contents Search

Drawing Order

- Water Allocation
 - Human Geography Label
 - Human Geography Detail
 - MS Grade Schools
 - OK_Justice40_Tracts
 - Disadvantaged
 - Not disadvantaged
 - City of Jackson Fire Stations
 - MS Water Distribution Points
 - Existing Water Distribution Centers
 - Demand Points for Disadvantaged Tracts
 - Allocation Directions
 - MS Disadvantaged Tracts
 - MS_Justice40_Tracts
 - City of Jackson Water Districts
 - Human Geography Base

Water Allocation

Wichita

Tulsa

Oklahoma City

Amarillo

Lubbock

Dallas

1:4,994,619 101.9023631°W 32.2536864°N Selected Features: 0

Create New Report

Set the data source

Provide a name and select the data source for your report.

Report name: Report

Data source: [Dropdown]

- 1 Set the data source
Provide a name and select the data source for your report.
- 2 Filter the data
Specify the fields in your report and decide which rows to include.
- 3 Organize the data
Add grouping, sorting, and summary statistics to your report.
- 4 Design the report
Choose the report template, styling, page size, and orientation.

Learn more about creating a report.

Page 1/4

Previous Next Finish Cancel

Catalog Geoprocessing **Create New Report**



REPORTS

Iteration2Demo

Project Report Insert Analysis View Imagery Share Pro Icons Map Frame

Contents

Drawing Order

- Four Corners National Parks
 - NationalParks
 - Report Header
 - Report Header: Title Text 4
 - Report Header: Title Text 1
 - Report Header: Title Text 2
 - Report Header: Title Text 1
 - Report Header: Title Text 1
 - Page Header
 - Group Header: State
 - Group Header: Line
 - Group Header: Field Value Text
 - Group Header: Line 1
 - Details
 - Attachment Frame
 - Details Field Value Text 11
 - Details Field Value Text 7
 - Details Field Value Text 10
 - Details Field Value Text 9
 - Details Field Value Text 8
 - Details Field Value Text 7
 - Details Field Value Text 6
 - Details Field Value Text 5
 - Details Field Value Text 4
 - Details Field Value Text 3
 - Details Field Value Text 2
 - Details Field Value Text 1
 - Details Field Value Text 6
 - Group Footer: State
 - Page Footer
 - Report Footer

Four Corners National Parks

Utah Colorado

Arizona New Mexico

(State)

Name	State	Coordinates
San Juan Island (Historical site)	Utah	(37.0, -109.0)
Escalante Plateau (Historical site)	Utah	(37.0, -109.0)
Number of samples (Historical site)	Utah	(37.0, -109.0)
Depth of water (Historical site)	Utah	(37.0, -109.0)

UNESCO Designation
State: Utah

1:20,394,849 75% 1,432, 13,245

Iteration2Demo

Project Report Insert Analysis View Imagery Share Pro Icons Map Frame

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 - Details Field Value Text 10
 - Details Field Value Text 9
 - Details Field Value Text 8
 - Details Field Value Text 7
 - Details Field Value Text 6
 - Details Field Value Text 5
 - Details Field Value Text 4
 - Details Field Value Text 3
 - Details Field Value Text 2
 - Details Field Value Text 1
 - Details Field Value Text 6
 - Group Footer: State
 - Page Footer
 - Report Footer

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Depth of water (Historical site)	Utah	(37.0, -109.0)

UNESCO Designation
State: Utah

1:10,748,948 75% 12,242, 15,276

Element

Map Frame 1

Display Options

- Map Element
 - Best Fit Element
 - Margin Size: 10 Percent
 - Round scale to nearest: 1000
 - Circle and Mainframe Scale
 - Scale: 1:10,748,948
 - Line Scale From Field
 - Scale Field: Name

Rotation

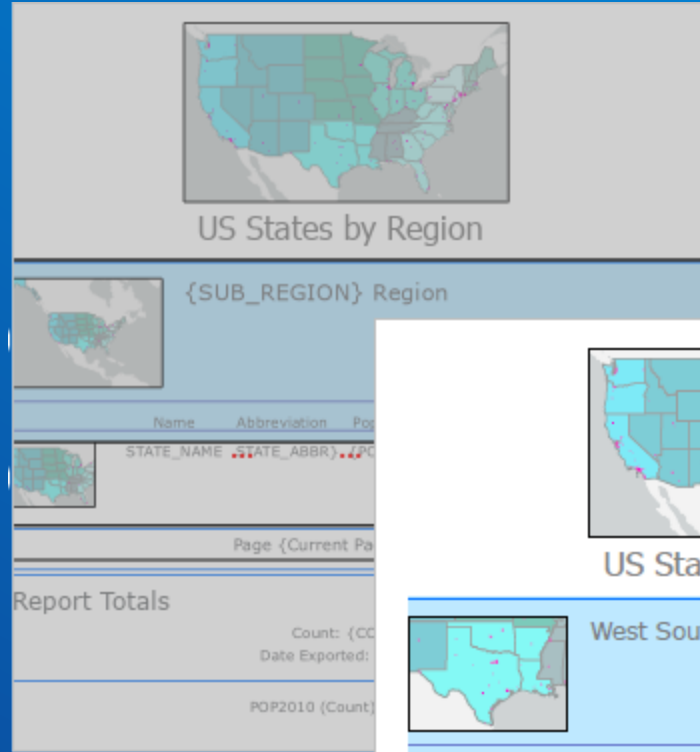
- Field: Name
- Angle: 0°



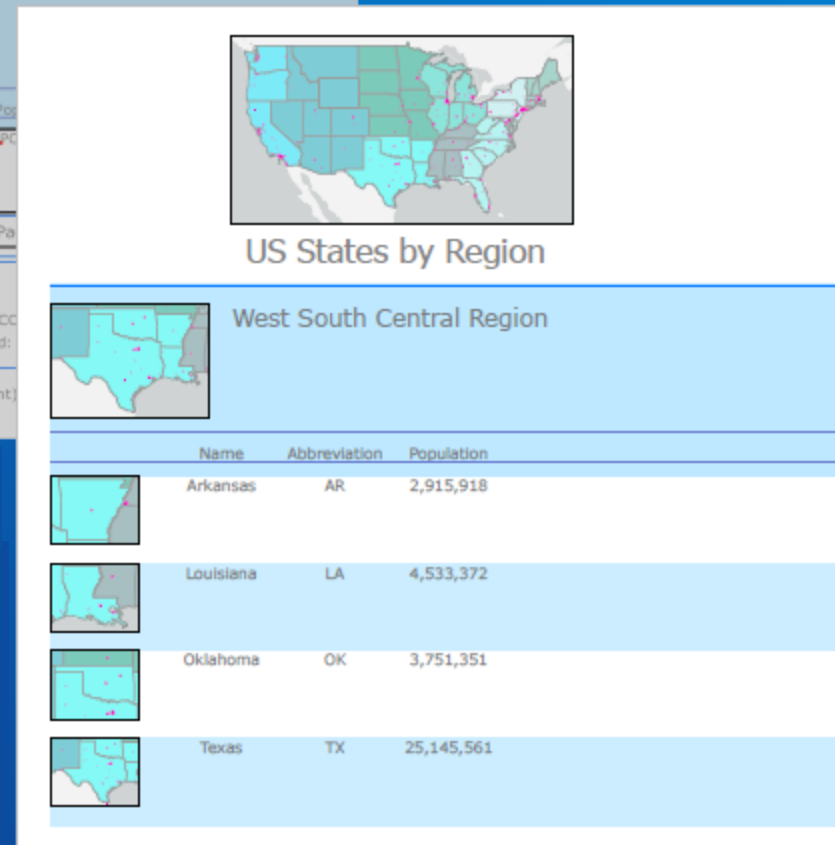
REPORTS

A map added to a group header is **dynamic**.

A map added to the detail's subsection is **dynamic**. The appropriate state is shown in each row.



A map added to a page header is **static**.



EXPORT PRESETS

ARCGIS PRO 3.0



EXPORT PRESETS

Default and custom presets for maps and layouts.

The screenshot shows the 'Export' dialog box in ArcGIS, with the 'Sample Layout' tab selected. The 'Properties' section is expanded, showing the following settings:

- File Type:** JPEG
- Name:** C:\Users\ \Documents\ArcGIS\Projects\MyPr
- Clip to graphics extent
- Compression:** Quality slider set to approximately 75% (between Low and Max).
- Resolution:** 200 DPI, Height: 1700, Width: 2200
- JPEG Settings:** Color depth: 24-bit True Color
- Embed color profile

At the bottom of the dialog, there are 'Save Preset' and 'Export' buttons.

Overlaid on the dialog is a window titled 'Export Presets' with the following options:

- Default AIX
- Flattened PDF
- GeoReferenced PDF
- GeoTIFF
- Vector PDF
- Web JPEG

Below the 'Export Presets' window is a map of Berlin with air quality data points. A legend for 'Berlin May Air Quality' shows PM 2.5 levels: 75 or higher (red), 50-74.9 (orange), 25.3-49.9 (yellow), 25-37.4 (light green), and Less than 25 (dark green). A table of station data is also provided:

Station Name	PM 2.5 $\mu\text{g}/\text{m}^3$	Station Name	PM 2.5 $\mu\text{g}/\text{m}^3$
DEBE010	83.24	DEBE063	16.94
DEBE032	13.32	DEBE064	28.1
DEBE034	18.37	DEBE065	16.54
DEBE051	7.08	DEBE068	22.96
DEBE056	63.66	DEBE069	12.33
DEBE061	230		

COLOR VISION DEFICIENCY SIMULATOR

ARCGIS PRO 3.0



COLOR DEFICIENCY SIMULATOR



The screenshot displays the ArcGIS software interface. At the top, there is a menu bar with the following options: Edit, Imagery, Share, Feature Layer, Labeling, and Data. Below the menu bar is a toolbar with various icons for different tools and functions. The 'Color Vision Simulator' tool is highlighted in the toolbar. The main map area shows a grid overlay on the aerial map, with some cells highlighted in red and orange, indicating areas of color deficiency.

BUILDINGS AND TREES – OPENSTREETMAP

ARCGIS PRO 3.0



BUILDINGS AND TREES



Pop-up

OpenStreetMap 3D Buildings (1)

OSM 3D Buildings

OpenStreetMap 3D Buildings - OSM 3D Buildings

name	Berliner Dom
building	cathedral
height	98
building:levels	0

[View this feature](#) in OpenStreetMap
[Edit this feature](#) in OpenStreetMap

Data © OpenStreetMap contributors

1 of 1

OpenStreetMap 3D Buildings and OpenStreetMap 3D Trees (Thematic) with the Ohio Stadium.
Copyright 2022: The Ohio State University Facilities Information and Technology Services.

Combine OSM 3D layers with own data

You can visit any place in the world and get pop-up information about features such as buildings.

SHARING

ARCGIS PRO 3.0



SHARING

The screenshot displays the ArcGIS Pro interface for a project named "MS_WaterLocationAllocation". The main map shows a geographic area of Oklahoma with various regions labeled: Wichita, Tulsa, Oklahoma City, Amarillo, Lubbock, and Dallas. A dark blue shaded area represents water allocation data. The interface includes a ribbon with tabs for Project, Map, Insert, Analysis, View, Edit, Imagery, and Share. The Analysis tab is active, showing tools like Pairwise Buffer, Summarize Within, Spatial Join, and Pairwise Clip. A "Geoprocessing" dialog box is open on the right, titled "Package Project". It shows the "Parameters" tab with the following settings:

- Input Project: C:\Users\ana12266\Documents\ArcGIS\Projects\MS_Wa
- Output File: [Empty field]
- Share outside of organization:
- Package as template:
- Extent: Default
- Apply Extent only to enterprise geodatabase layers:
- Additional Files: [Empty field]
- Preserve Mobile Geodatabase:
- Summary: [Empty field]
- Tags: [Empty field]
- Package version: Select All (All versions checked)
- Current version:
- 2.2:
- 2.3:
- 2.4:
- 2.5:
- 2.6:
- 2.7:
- 2.8:
- ...:

The "Run" button is visible at the bottom right of the dialog box. The status bar at the bottom shows a scale of 1:4,994,619, coordinates 102.5671502°W 38.5188707°N, and "Selected Features: 0".

ArcGIS® Pro Roadmap

Near-term

- Portal Projects for ArcGIS Pro
- Discard for Nonversioned Editing
- Schema Reporting
- Provenance in Knowledge Graphs
- Flood Simulation Modeling
- OAuth 2.0 for External Services
- 64-Bit Object ID
- New Field Types
- Thematic Map Series
- Oriented Imagery
- OGC API Tiles
- 3D Tiles support
- Presentations
- Point Cloud Object Detection
- Multi-Modal AI Models
- Import Ground from Civil 3D and IFC

Mid-term

- Timeline View
- Knowledge Graph SDK
- Point Cloud Scene Layer Data Management
- Roof Editing in Stereo
- Layer & Feature Effects
- Materials Authoring
- Oriented Imagery – Inspection Workflow and AI Integration
- Mesh Segmentation Models
- AutoML: Fairness Metrics and Bias Mitigation
- Causal Inference

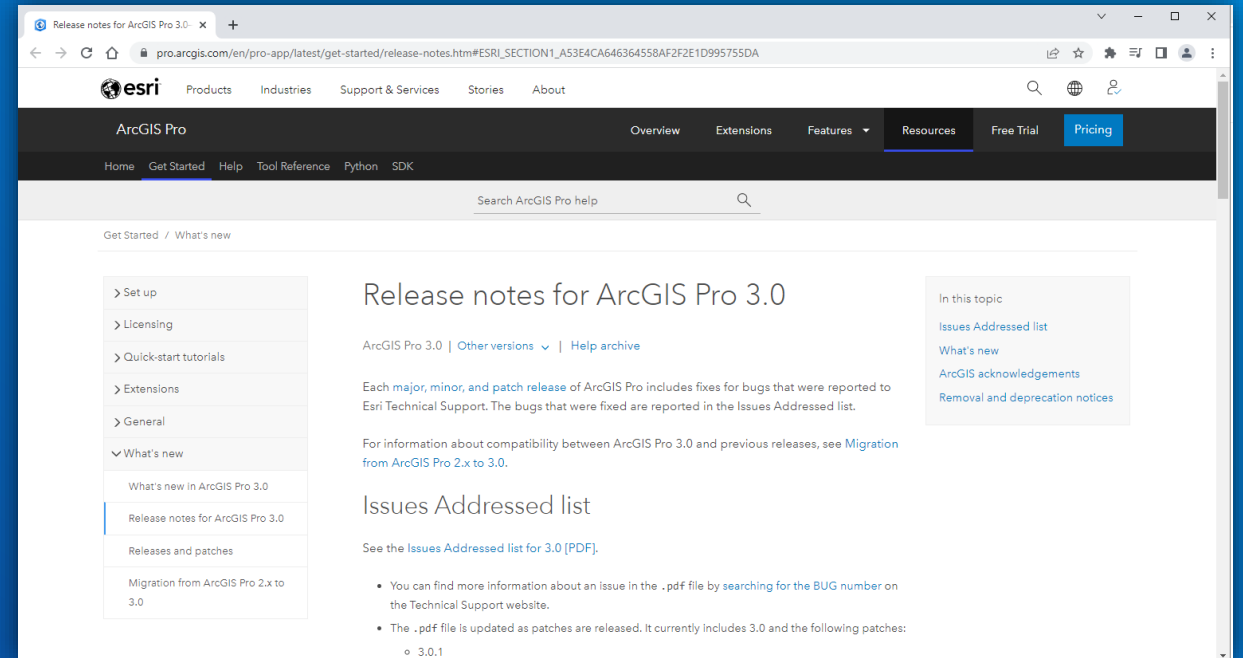
Long-term

- Share ModelBuilder Item to Portal
- Terrain Editing
- High Fidelity Rendering
- 3D Mesh as Ground
- Integrated Mesh Scene Layer Data Management
- Cloud Drive Support
- Oriented Imagery – Live Video Superposition
- Reading Alignments from IFC



ARCGIS PRO RELEASE NOTES AND DEPRECATED FEATURES

- Preset Layers
 - Add Preset Layer Gallery
- Geocoding Geoprocessing Tools
 - Create Address Locator
 - Standardize Addresses
- Ready To Use Tools
 - Network Analysis
- Other Geoprocessing Tools



Read more [here](#)
for more info on Release Notes and
Deprecation notices.



ARCGIS PRO RESOURCES

The screenshot shows the ArcGIS Pro Resources page. At the top, there is a navigation bar with 'ArcGIS Pro' and links for 'Overview', 'Extensions', 'Features', 'Resources', 'Free Trial', and 'Pricing'. Below the navigation bar, there are four main sections: 'ArcGIS Blog', 'ArcGIS Pro News', 'What's new', and 'ArcGIS Pro Roadmap'. Each section has a brief description and a link to learn more. Below these sections is a 'Documentation' section with a search bar and a grid of links for 'Get started', 'Map', 'Analyze', 'Share', 'Python', 'SDK', 'FAQ', and 'Administer licensing'.

ArcGIS Resources Page

The screenshot shows the Esri Community page. At the top, there is a navigation bar with 'esri | Community' and links for 'All Communities', 'ArcGIS Ideas', 'Community Basics', and 'Sign In'. Below the navigation bar, there is a large blue header with the 'Esri Community' logo and the tagline 'A global community of Esri users where you can find solutions, share ideas, and collaborate to solve problems with GIS'. Below the header, there is a search bar and a 'Latest Activity' section. The 'Latest Activity' section shows three posts: 'Symbolizing layer features based on another web map layer's attribute', 'ArcGIS Enterprise SDK on Mac?', and 'SearchCursor row methods missing?'. To the right of the 'Latest Activity' section, there are 'Community Tips', 'Introduce Yourself', and 'Your Voice Matters!' sections.

Esri Community



ARCGIS PRO RESOURCES

What's new in ArcGIS Pro 3.1

ArcGIS Pro 3.1 | [Other versions](#) ▾ | [Help archive](#)

See what's new and improved in ArcGIS Pro 3.1.

[What's New in 3.1 Page](#)