Introduction to GIS with ArcGIS Pro

Controlling Feature Display and Selection:
Managing Feature Visibility

Session 10

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Lecture Outline

- Introduction & Recap (5 minutes)
- Managing Feature Visibility (45 minutes)
- Guided Exercise & Q&A (10 minutes)

Week 3: Coordinate Systems

- **Class 5**: Understanding Coordinate Systems
- **Class 6**: Managing Projections and Transformations

Week 4: Symbolizing Layers

- **Class 7**: Fundamentals of Symbology
- **Class 8**: Applying Different Symbology Methods

Week 5: Controlling Feature Display and Selection

- **Class 9**: Selecting Features with Queries
- **Class 10**: Managing Feature Visibility
- **Milestone**: Assignment 1 (Data Creation and Mapping) will be assigned.

Recap of Season 9

- **Interactive** feature selection
- Select features using **attributes**
- Select features by **location**
- Work with **selected features**
- **Query expressions**

Managing Feature Visibility

in ArcGIS Pro

Toggle Layer Visibility Manually

- In the Contents pane, use the check box next to a layer name to turn its display on or off.

Feature Visibility by Layer Groups

- Turn all layers in the group on or off simultaneously

Scale ranges

- Set scale ranges to control when a layer appears based on zoom level.

https://pro.arcgis.com/en/pro-app/latest/help/mapping/layer-properties/display-layers-at-certain-scales.htm
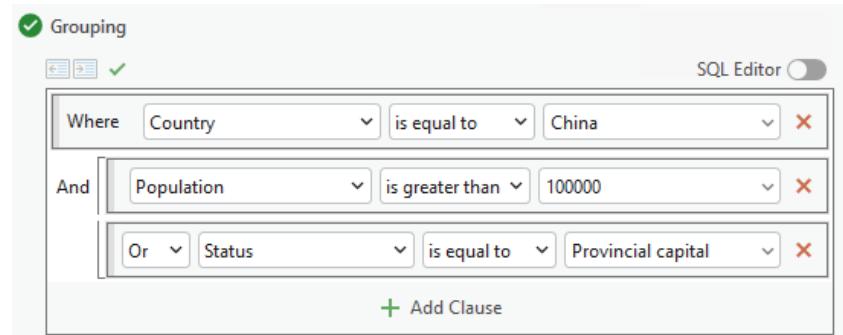
Transparency

- Adjusting transparency for visual blending.

Filter features with definition queries

- Definition queries allow you to define a filter that limits which features are retrieved from the dataset by the layer.
- A definition query affects not only drawing, but also which features appear in the layer's attribute table and can be selected, labeled, identified, and processed by geoprocessing tools.

Display filter

- Use display filters to show subsets of features without removing them from the layer.
- Display filters are queries that limit which features of a feature layer are displayed on a map or scene.
- Display filters can be determined by scale or set manually.

Exercise

Exercise

1. Create a Layer Group and experiment with layer visibility.
2. Apply a definition query to hide features from a layer.

Sample Shapefiles - City of Newcastle, Australia

https://classroom.google.com/c/NzkxNDA4MzgwOTE3/m/ODAzNjU5NTY0Mzc0/details

Preview for Season 11

Adding Text to a Map: Creating and Modifying **Labels**