

Prism Map in ArcGIS Pro

Prompt

Use ArcGIS Pro to create a 3D prism map that shows a quantity using height of vector features (points, lines, or polygons). Create a map layout of the result.

Note: You may need to include ancillary layers in your 3D scene to improve interpretability and effectiveness

Note: You must show a continuous/quantitative variable with height. However, you can also show a qualitative/nominal variable with color (points, lines, or polygons) or shape (points).

Note: If using a local scene, you must decide whether to use a parallel or projective projection.

Deliverables

1. Provide a write-up that explains the source(s) of the data, the attribute(s) being visualized, and how you determined the ranges of heights to use. If using a local scene, explain why you chose to use a parallel or projective projection.
2. Exported map layout in PDF or an image format (JPEG or PNG).

Points

Up to 20 points will be assigned based on the following:

1. Quality of write-up of source data, description of the attribute(s) being visualized, and height range choices; make sure to provide a citation for the data used
2. Appropriateness of the symbology and data used
3. Effectiveness of map elements: title, legend, citation, etc.
4. Overall use of space and visual hierarchy