NSDI 2, Part 2 & More Data Resources: 40 Points Possible

Attempt 1

In Progress
NEXT UP: Submit Assignment

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Unlimited Attempts Allowed

Details

For this assignment, you'll consider how some of the following information could be applied using GIS to solve a problem.

Review the rest of the table of contents of Chapter 7: National Spatial Data Infrastructure II. Click any of the links if you would like to view specific chapter sections to learn more.

- 7. Digital Elevation Model (DEM) (https://www.e-education.psu.edu/natureofgeoinfo/c7_p8.html)
- 8. Interpolation (https://www.e-education.psu.edu/natureofgeoinfo/c7_p9.html)
- 9. Slope (https://www.e-education.psu.edu/natureofgeoinfo/c7_p10.html)
- 10. Relief Shading (https://www.e-education.psu.edu/natureofgeoinfo/c7_p11.html)
- 11. Lidar (https://www.e-education.psu.edu/natureofgeoinfo/c7_p12.html)
- 12. Global Elevation Data (https://www.e-education.psu.edu/natureofgeoinfo/c7_p13.html)
- 13. Bathymetry (https://www.e-education.psu.edu/natureofgeoinfo/c7_p14.html)
- 14. Statistical Surfaces (https://www.e-education.psu.edu/natureofgeoinfo/c7_p15.html)
- 15. Theme: Hydrography (https://www.e-education.psu.edu/natureofgeoinfo/c7_p16.html)
- 16. Theme: Transportation (https://www.e-education.psu.edu/natureofgeoinfo/c7_p17.html)
- 17. Theme: Governmental Units (https://www.e-education.psu.edu/natureofgeoinfo/c7_p18.html)
- 18. Theme: Cadastral (https://www.e-education.psu.edu/natureofgeoinfo/c7_p19.html)

More Data Resources:

- A textbook on Geographic Information Technologies (https://open.maricopa.edu/gist/)
- This website explains the ArcGIS Field Maps app: https://www.esri.com/en-us/arcgis/products/arcgis-field-maps/overview (https://www.esri.com/en-us/arcgis/products/arcgis-field-maps/overview)
- And these tutorials introduce beginners to data management in ArcGIS Online and ArcGIS Pro (the desktop software): https://modern-gis-curriculum-new-learngis.hub.arcgis.com/pages/data-management (https://modern-gis-curriculum-new-learngis.hub.arcgis.com/pages/data-management)

Take a few minutes to review one or more of the resources listed above, as well as any relevant sections from the chapter. When you have enough information, respond to the prompt:

Think of a time when you were aware of a problem that one of these applications might be useful for solving. What was the problem and how might we be able to understand or even solve the problem by bringing data into GIS software and analyzing it?

You can submit your typed answer, or you can record audio or video and submit that as your answer. Please keep any recordings to under 5 minutes.

Choose a submission type

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(https://sbccd.instructure.com/courses/55385/modules/items/3224463)

Assignment (https://sbccd.instructure.com/courses/55385/modules/items/322