

Concepts of GIS: Problem Solving with GIS

Goals of the workshop

- Explain what a GIS is and what it can do.
- Compare and contrast literacy and analysis with spatial literacy and spatial analysis.
- Introduce kinds of problems that can be solved using GIS.
- Introduce terms of discussion so that beginners can request GIS solutions from GIS technical experts.
- Consider data types.
- Explore opportunities to solve issues with different analysis techniques depending on data types.

Major topics covered

- How does GIS model the world?
- What can spatial literacy and analysis add to decision making?
- Putting large amounts of data into context.
- Maps and databases and tools.
- Different kinds of analysis appropriate to different data types.
- Why choose to keep data in a particular data type?
- Why choose different analysis method?
- Conceptual discussion and software demonstrations of analysis from the perspective of vector, raster, geometric networks.