



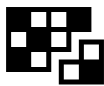
Terrain Analysis Methods

Duration: 2 Days (16 Hours)

Efficiently collect accurate data that supports real-time decision making.

Learn how to apply the different terrain analysis methods to analyse a surface. The different methods include contours, slope, aspect, hillshade and viewshed. You will learn how to interpolate a surface from point measurements, generate different surfaces from a digital elevation model, calculate density from point data and perform visibility analysis. In addition, you will also learn how geoprocessing models can be developed to do suitability analyses.

Goals



Create surfaces from samples using different interpolation methods.



Model a suitability workflow within ModelBuilder.



Calculate viewshed and visibility and derive slopes and hillshade



Generate contour lines to represent elevation measures on a map.

Who should attend?

GIS Professionals

Suggestion

Completion of **ArcGIS II** or equivalent knowledge.

Experience with the geoprocessing environment in **ArcGIS for Desktop**.

Familiarity with raster data concepts.

Software

Esri will provide the following software to use during class:

- **ArcGIS Desktop 10.4 or 10.5 (Basic, Standard, or Advanced)**
- **ArcGIS Spatial Analyst**