



Topic Specific

Topic in Spatial Statistics

Duration: 3 Days (24 Hours)

Uncover patterns, trends and spatial relationships.

Spatial statistics allows you to answer questions confidently and make statistical informed decisions using more than simple visual analysis. The Spatial Statistics toolbox in ArcGIS contains statistical tools for analysing spatial distributions, patterns, processes, and relationships. While there may be similarities between spatial and non-spatial (traditional) statistics in terms of concepts and objectives, spatial statistics are unique in that they were developed specifically for use with geographic data. Unlike traditional non-spatial statistical methods, they incorporate space (proximity, area, connectivity, and/or other spatial relationships) directly into their mathematics. In this course you will use a set of exploratory techniques which enables to describe and model spatial distributions pattern.

Goals



Explore ready to use spatial analysis workflows in a cloud-based environment.



Evaluate trends and summaries attribute values.



Find optimal locations based on a set of spatial criteria.

Who should attend?

GIS analysts

GIS Specialists

Suggestion

Completion of **ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro** or equivalent knowledge.

Software

Esri will provide the following software to use during class:

- **ArcGIS Desktop 10.5 (Advanced)**
- **ArcGIS Spatial Statistics**