

Training the GIS Professional

Network Analysis in ArcGIS Pro

- 2 days

In this course, you will acquire the skills needed to perform Network Analysis in ArcGIS Pro. Users will get an understanding of what types of network sources are available and how to use the various network analysis tools in ArcGIS Pro to find closest facilities, calculate service areas and find shortest travelling routes.

Who should attend

- GIS Professionals
- GIS Analysts
- GIS Managers

Goals

- Understand fundamental concepts of the ArcGIS network dataset
- Choose an appropriate network data source.
- Manage network analysis projects in ArcGIS Pro.
- Solve routing, closest facility, service areas problems.
- Create Origin Destination matrices and use the Location-Allocation solver.
- Learn about analysis parameters for the different solvers.
- Learn the new approach to create new network datasets using ArcGIS Pro.
- Optionally perform network analysis using tools and models.

Topics Covered

- Fundamentals of network systems. Directed flow networks (rivers, utilities); Undirected flow networks (roads); Physical and logical network representation; Edges, junctions, and turns; Geometric networks vs. network datasets; Overview of working with a network dataset.
- Projects in ArcGIS Pro. Project structure and the ArcGIS Pro UI. Working with network analysis results.
- Available network datasets. Local and hosted network data sources
- Ready To Use Tools. Comparing ready to use tools to network analysis layers
- Network Analysis Configuration. Analysis and output settings

Topics Covered Cont.

- Finding a Route. Route solver concepts; Route outputs and directions reports
- Calculating Service Areas. Analysis settings, options and results
- Closest Facility analysis. Analysis settings, options and results
- The Location-Allocation solver. Analysis settings, options, problem types, applications
- Connecting Origins to Destinations. Analysis settings, options and results
- Create a dataset. Use the Create Network Dataset tool and the properties pages to create and configure a brand new network dataset in ArcGIS Pro

Prerequisites

This course is designed for experienced ArcGIS users and assumes a good working knowledge of ArcGIS Pro.

Contact Us

For GIS training enquiries and bookings visit esriuk.com/learning, email us at learning@esriuk.com or call us on 01296 745504