

ArcGIS 1: Introduction to GIS

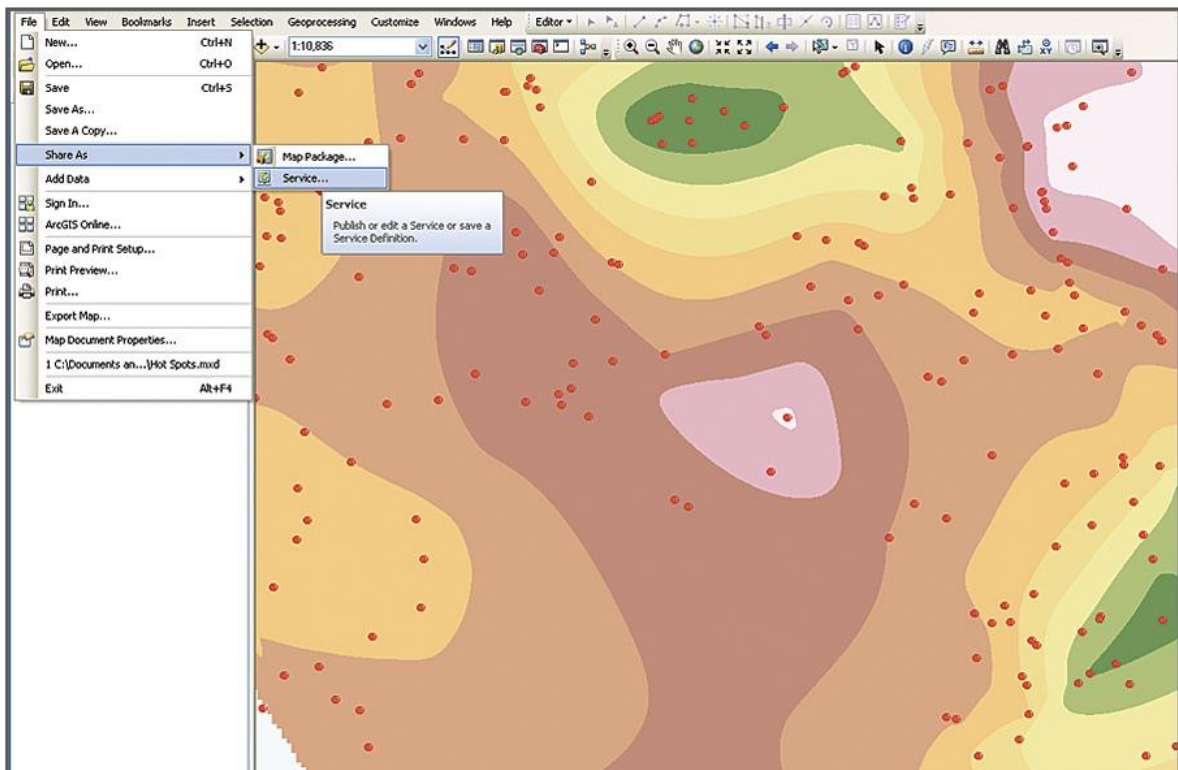
Professional GIS authoring

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SGD\$960 / pax

Level: Beginner | Course duration: 2 days

Esri Singapore's introductory GIS training course for beginners who are using ArcGIS for Desktop.



What is the course about?

This course teaches you what GIS technology is and what you can do with it. Working with various components of the ArcGIS platform, you will create GIS maps, explore and analyse the data behind the maps, and learn easy methods to share your maps and analysis results.

By the end of the course, you will have a solid understanding of how GIS, maps and ArcGIS tools are used to visualise real-world features, discover patterns, obtain information and communicate information to others.

Who is the target audience?

Individuals who do not have prior GIS education or workplace experience.

Are there any prerequisites?

Experience with Windows-based software for basic file management and browsing is required.

What skills will I learn?

After completing this course, you will be able to:

- Quickly create and share a GIS map using ArcGIS
- Find and organise geographic data and other GIS resources for a simple mapping project
- Accurately display features on a GIS map and access information about them
- Analyse a GIS map to identify where features that meet specific criteria are located
- Share GIS maps and analyse results so they can be viewed on desktop applications, websites, and mobile devices

Course topics

What is the ArcGIS platform

- Tools to easily find, create, share, and use GIS maps
- Multi-platform accessibility

What is GIS

- Components of a GIS
- Understanding the geographic approach
- What can you do with a GIS?
- Making and sharing a map using ArcGIS Online

What makes data geographic

- Representing real-world features digitally
- Geographic data formats and non-geographic data formats
- Documenting important information about data with metadata

Mapping real-world feature locations using coordinate systems

- Geographic and projected coordinate systems
- Identifying a dataset's coordinate system
- Changing a dataset's coordinate system
- Changing the coordinate system for a map

Finding GIS maps and data

- Considerations when selecting data
- Sources of GIS data

Exploring a GIS map

- Navigating around places of interest
- Finding features and accessing feature information
- Changing feature symbology
- Visualising change over time

GIS analysis

- Solving spatial problems
- Five-step process
- Determining where and when things occurred
- Sharing analysis results as graphs and layers

Sharing GIS maps and results

- Common ways to share maps and results
- Sharing tools and data
- Sharing results as web maps and web mapping applications
- Accessing content through ArcGIS online