

ADVANCED MAPINFO PROFESSIONAL FOR HEALTHCARE PROFESSIONALS

DURATION: 1 DAY
PREREQUISITES: INTRODUCTION TO MAPINFO PROFESSIONAL

Course Overview

MapInfo Professional is a powerful Microsoft Windows based mapping application that enables business analysts and GIS professionals to visualise the relationships between data and geography. The industry's leading business mapping solution, this software lets you perform sophisticated and detailed data analysis to facilitate informed decision making. With Advanced training you can harness the full power of MapInfo Professional! This course builds on the foundations of the 'Introduction to MapInfo Professional for Healthcare Professionals' training by exploring some of the more sophisticated capabilities of the software.

The course is aimed at existing MapInfo Professional users who wish to extend their spatial analysis capabilities with MapInfo Professional. Delegates who attend this course must have previous experience of MapInfo Professional to a standard equivalent to that outlined in our Introductory course.

Through Dotted Eyes involvement with the NHS Digital Mapping Agreement, our GIS Consultants have an in depth understanding of both the datasets healthcare professionals use and the types of analysis that they wish to undertake. As a result the course data and examples have been specifically tailored to demonstrate how MapInfo Professional can be used by information and business analysts working within the healthcare profession. [The modules highlighted in blue within the course outline are just some of the many healthcare examples included within the advanced training course.](#)

Visit www.dottedeyes.com/training for more information. Visit www.dottedeyes.com/buytraining to reserve course places online.

Course Content by Session (09:15 – 17:00):

Welcome to Dotted Eyes

A brief introductory session:

- Course Overview
- Course Resources & Amenities
- About Dotted Eyes

Foundation Knowledge (Trainer briefly recaps on MapInfo Professional basics)

Your trainer will use this brief session to remind you of some of the basic MapInfo Professional functionality and settings:

- MapInfo Tables & Files
- OS MasterMap Layers
- Defaults & Settings
- Creating Tables
- Finding & Selecting Records

Digitising

By the end of this session you will:

- Be able to make a layer editable
- Be familiar with the MapInfo drawing tools
- Be able to draw lines and regions that snap exactly to existing features

Advanced Digitising & Object Processing

This session is designed to enhance your object editing and processing skills:

- Tools to Aid Digitising - Using Snap (S), Trace (T), Autonode (N), using ruler with Autonode
- Advanced Object Editing – [reshaping, combining and splitting healthcare assets and PCT boundaries](#)

Table Structure & Creating Tables

By the end of this session you will be able to:

- Add, remove, index and rename table fields
- Create a new table by saving a copy of an existing table
- Create a new table by defining the table structure first
- Create a new table from objects in the cosmetic layer – [creating a new GP surgeries table within the map window](#)

Modify Table Structure & Update Columns

This session aims to give you an understanding of how to alter the structure of tables in MapInfo Professional, how to update tables and how to append them:

- Update Columns with Values From Other Tables – [updating a diabetes cases table with the PC boundary they are within](#)
- Save Or Revert a Column Update
- Using Expressions to Update Columns
- Updating Selections Only
- Update Column with An ID / Specific Value – [create a patient ID field](#)
- Using Temporary Columns
- Using Functions to Update Columns
- Append Tables – [appending monthly patient data together to create an up-to-date master patient table](#)
- Pack and Rename Tables

Tools In MapInfo Professional

MapInfo Professional includes a number of tools to enhance interoperability as well as tools to assist your spatial analysis. This session covers the use of some of these tools as well as those from other sources:

- Analysis & Buffering
- Spider Graph – [calculating distances between maternity patients and hospitals](#)
- Buffering, Concentric Ring Buffer – [identifying maternity patients within hospital catchment areas](#)
- Window & Workspace Management
- Window Manager, Named Views, Workspace Packager
- Data Management
- Disperse Points – [dispersing co-incident patient points](#)
- Search & Replace
- Custom Tools & Development - .mbx (tools) can be created with MapBasic, resources such as directionsmag.com for free tools

Querying with SQL Select

This session aims to give you an overview of MapInfo's SQL Select function. SQL Select can be a very powerful tool within MapInfo not only to identify records of certain criteria but to calculate new values as well! It is recommended that you have prior experience of using the 'Query > Select' command in MapInfo Professional:

- Introducing SQL Select
- Ordering Records
- Querying Multiple Tables
- Grouping & Aggregating Data – [grouping and counting patient records by gender](#)
- Using Functions in SQL Select – [calculating the population density of Output Areas](#)
- Joining data using SQL – [appending boundary date values to patient records](#)
- Saving Queries
- Data Validation

Advanced Thematic Mapping

This session is designed to deepen your knowledge of the flexibility thematic maps offer you in analysing your data. As a result of completing this session, you will have discovered how to:

- Range thematics – [showing counts of diabetes cases by district](#)
- Bi-Variate thematics – [showing incidents by type and number of visits to hospital](#)
- Expressions – [creating population density maps](#)
- Grid thematics – [showing pollen count models](#)

Linking to External Files

By the end of this session you will be able to:

- Set up links to external files e.g. *.jpg, *.pdf, *.mp3, etc
- Launch the hotlinks through a mapper and browser window

To request more details about this course please feel free to call our Training Co-ordinator on 01527 556920 or email training@dottedeyes.com

Visit www.dottedeyes.com/buytraining to reserve course places online.

Training Facilities

Our custom built training suite at Hanbury Court in North Worcestershire provides purpose built facilities for up to 10 delegates. Each delegate has the use of an up to date individual computer with TFT screen and the latest edition of the relevant software.

Disabled access - There is full disabled access to the building with dropped kerbs offering easy access. All training is conducted on the ground floor where a dedicated disabled washroom is also situated for your convenience. We are especially keen to welcome disabled guests and make their visit as comfortable as possible.

Car parking - There is free car parking on site.

Dietary requirements - All courses include lunch as well as mid morning and afternoon refreshments. We are happy to cater for vegetarians and those with other dietary requirements, providing we have advance notification.

Opening hours - Access to the building is available from 8:15am to 5:45pm on training days.

Internet access - Delegates can use the internet or check webmail on a dedicated machine in the Dotted Eyes reception area.

Taxis - Dotted Eyes staff are happy to help arrange a taxi for your return journey to your hotel or the train station if required.

About Dotted Eyes

Dotted Eyes is a GIS solution provider. Our mission is to help organisations use GIS to facilitate achievement of their wider objectives.

Our modular portfolio consists of GIS products and training/consultancy services that have been carefully chosen or developed in-house to meet a wide range of client requirements. Whether a client is a SME, a multi-national corporate, a public sector body or a not-for-profit organisation, we are confident we can build a competitive solution for their needs.

We can provide a wide range of software and digital maps from Partners e.g. Pitney Bowes Business Insight, Ordnance Survey, Safe Software and NAVTEQ, in addition to our own software and services.