

# ADVANCED MAPINFO PROFESSIONAL VERSION 10

DURATION: 2 DAYS  
PREREQUISITES: INTRODUCTION TO MAPINFO PROFESSIONAL

## Course Overview

This hands-on training course is designed to help you get maximum value from your investment. Let our experts and professional training help you use the full potential of MapInfo Professional to an advanced level.

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' 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 Introduction to MapInfo Professional training course. Please note that this training course is for version 10 of MapInfo Professional, if you are using an earlier version please enquire about our standard Advanced course based on version 9.5.1.

Visit [www.dottedeyes.com/training](http://www.dottedeyes.com/training) for more information. Book online at [www.dottedeyes.com/buytraining](http://www.dottedeyes.com/buytraining).

## Day One Modules (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

### 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

- Combine, erase, split, data aggregation/disaggregation
- Region Error Checking & Cleaning
- Multi-Points & Collection Objects
- Creating a Voronoi
- Object Processing - generalise a table, remove & snap nodes (Snap/Thin)

### **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:

- Table Structure
- Update Columns with Values From Other Tables
- Save Or Revert a Column Update
- Using Expressions to Update Columns
- Updating Selections Only
- Update Column with An ID / Specific Value
- Using Temporary Columns
- Using Functions to Update Columns
- Append Tables
- 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:

- Opening Universal Data
- Analysis & Buffering
- Spider Graph, Distance Calculator, Buffering, Concentric Ring Buffer
- Window & Workspace Management
- Window Manager, Named Views, Workspace Packager
- Data Management
- Disperse Points. Search & Replace
- Custom Tools & Development - .mbx (tools) can be created with MapBasic, resources such as [directionsmag.com](http://directionsmag.com) for free tools
- GoogleView Tool

## **Day Two Modules (09:15 – 17:00):**

### **Working With Rasters**

Using raster data is different to dealing with vector data. This session will show you how to manage and get the best from your raster datasets:

- Seamless Tables
- Zoom Layering
- Registering Rasters
- Export to GeoTIFF
- Handling Grids - opening, displaying and adjusting appearance of grid images.  
Creating 3D Maps and draping layers

### **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
- Using Functions in SQL Select
- Using Subselects
- Saving Queries
- Data Validation

### Connecting to Databases

This session consists of an overview of the processes involved in connecting to a remote non-spatial database:

- Background & requirements for connecting to databases
- Connection example using an Access DB

### 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:

- Create & Save Thematic Maps
- Use Expressions & Joins
- Deal with bivariate Thematic Maps
- Create Grid Thematics & Interpolation
- Extrude Prism Maps
- Create Graphs

### Redistricting

This session examines the Redistricting feature, which allows you to collect map objects together into groups using a common field:

- Data Preparation
- Creating New Territories
- Reassigning Records to Territories
- Combining Objects into Territories

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

Book online at [www.dottedeyes.com/buytraining](http://www.dottedeyes.com/buytraining).

## 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.

## Certification

Dotted Eyes public courses are accredited by the Association for Geographic Information (AGI) and contribute toward achieving Chartered Geographer status. Delegates who attend are therefore eligible to receive CPD points towards their Continual Professional Development. A certificate is provided to each delegate upon completion of the course.

MapInfo Professional – Public Introduction Course– 6 CPD Points  
**MapInfo Professional – Public Advanced Course– 7 CPD Points**  
MapInfo Professional – Public Refresher Course – 3 CPD Points  
Vertical Mapper – Public Course - 4 CPD Points  
FME – Public Introduction Course – 6 CPD Points  
Addressing PAI with ShiftWiz – 3 CPD Points  
Processing OS MasterMap with InterPOSe – 3 CPD Points

If you require a bespoke course especially to suit your organisation's requirements we can also apply to have your customised training materials accredited by the AGI.

**Chartered Geographer** - CPD Points - In order to meet the requirements laid down by the Royal Geographical Society - Institute of British Geographers (RGS-IBG), a minimum of 35 CPD hours (known as points) must be collected each year to gain and maintain Chartered Geographer (GIS) status. Of these, 20 hours should be sourced from external training/development, and the remaining 15 hours from internal training and development. Although these hours can be made up of any number of different activities, the RGS-IBG and AGI insist that annual CPD submissions are both balanced and relevant in their make-up.



## Bespoke Training

In addition to Dotted Eyes public training course offerings we also offer you the flexibility to tell us exactly how you would like to be trained! We'll customise a course based upon your unique requirements. For example we could dedicate a course to staff from your organisation, condense/extend the course content, customise the course to use your own data or even deliver the course material on a one-to-one basis... The choice is yours!

## 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.