

## MapInfo Professional™ Level 2 Training Classes

Belgium, Netherlands, Luxembourg

### General Overview

MapInfo offers a two day training course that explores additional features and capabilities of MapInfo Professional. This course can be a follow-up on the introduction course or a separate course for advanced users.

The main focus areas for this course are drawing and editing your own maps, visualising and analysing your data (in particular using MapInfo's SQL language, the Update Column command and Thematic Mapping), accessing data from remote databases and exploring MapInfo Professional's HTML and other Web oriented capabilities.

Please note that this course is taught in English.

### Training Methodology:

This course is very much hands on. Our teaching strategy is to have you use the software as much as possible! You will use MapInfo Professional throughout to create and update maps and access and map data. Concepts and skills are introduced by working through instructor-led examples. In addition, there are some self-paced labs to practice your skills and reinforce the topics covered. There are no lengthy lectures or "slide shows" in this training course.

The design of this course represents more than 10 years of experience in developing and delivering training on MapInfo Professional.

### Pre-requisites:

The pre-requisite for this course is the "Introduction to MapInfo Professional" training course or comfort with the topics it covers. A self-taught, (but somewhat experienced) user of MapInfo Professional may consider taking the MapInfo Professional Level 2 course, but they should be comfortable with the topics covered in the "Introduction to MapInfo Professional" training course first. This means a delegate should have experience working with tables, maps, workspaces, layer control, basic selecting, geocoding, creating points, basic thematic mapping and buffering.

### Content (2 day course)

#### Advanced Thematic Mapping Part I: Multiple Variable Thematic Maps

This emphasis of this module is on: (1) Exploring different methods of representing multiple data variables on a map and (2) Understanding and using proper techniques when creating thematic maps. This includes Bi-variate symbol thematic maps, shading layers based on expressions, shading regions on more than one variable by using "see through" patterns and using Pie Chart maps. This module also includes some ideas on proper techniques and on understanding how the choices made in the creation of the map can influence how the map is interpreted.

#### Advanced Thematic Mapping Part II: Continuous Surface and 3D Maps

In this module you will create Continuous Surface (Grid) thematic maps. This includes understanding the various interpolation options and settings, changing the colours and other options to customise the appearance of the map. You will also create and use 3D and Prism maps, use the Viewpoint Control panel, wire frame and other display options.

#### Creating and Editing Map Objects Part I

This course includes a comprehensive look at creating and editing map objects. This module covers basic drawing techniques, including use of the drawing tools to create and edit points, lines, polylines and regions. You will also use the Autotrace feature to easily trace a complex polygon or polyline. Reshaping objects, including adding, deleting and moving nodes is also covered.

#### Creating and Editing Map Objects Part II

This module covers the use of commands to combine, split and erase objects or portions of objects. This includes using a line or polyline to split a region, combining objects from two different tables and using Multipoint and Collection objects. The aggregation and disaggregation of data is also covered. A comprehensive set of different examples will be worked through, exposing you to a number of different data editing scenarios.

#### SQL Select Part I: Essentials of Data Querying

This course includes extensive coverage of MapInfo Professional's SQL capabilities. SQL Select Part 1 covers some of the essentials to using the SQL Select command to derive new columns of data from existing data, summarise and aggregate data (calculating totals and averages) and sort your data. Also, working with data from two different tables at once is covered using both relational and geographic joins.

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## SQL Select Part II: Using Geographic Operators and Functions

In this second module on the SQL Select capabilities you will use a number of geographic operators and functions. You will calculate the length of line objects such as motorways and calculate distances between points. This will include both calculating the distance between points from different tables such as stores and customers and calculating the distance a set of points are from a fixed location. You will use the CreateCircle() function in an SQL query to select point objects within a circle.

## ODBC Basics with MapInfo Professional

This module covers how to connect to and use data from a remote database using Open Database Connectivity (ODBC). This includes using the ODBC Administrator, filtering the data to be downloaded, creating points and geocoding the table. You will alter the symbol styles of an ODBC table, edit and save changes to data in the remote table. The class will experiment with multiple users editing the same data and explore MapInfo Professional's features for dealing with user editing conflicts.

## Update Column

In this module you will use the Table > Update Column command to change all of the values in a particular column. This includes using string functions to extract specific characters from a column, such as separating a first and last name. It is also possible to perform a conditional update, such as changing all of the records in a table whose company name is "Acme" into "Acme Unlimited". You will also update one table with information from another (Join tables). Finally, you will add coordinates to a table.

## MapBasic for MapInfo Professional Users

This module will cover how to automate repetitive tasks in MapInfo Professional by using the MapBasic window to save and reuse a series of commands. You will also learn how to edit workspaces to correct problems, add new commands, or send messages to the user. No programming experience required!

## Custom Territory Creation with the Redistricter

The Redistricter can be used to build a custom set of districts or territories. As you build your own territories, you will use the Districts browser to monitor and adjust the size of each territory according to a data value. For example, territories can be built that have roughly the same amount of population, sales or workloads. This module covers building districts from scratch as well as adding, removing and changing districts. The Combine Objects Using Column command will be used to combine the resulting districts and build a separate table of territory boundaries.

## Creating Maps for the Web: The HTML Image Map Tool

The HTML image map tool enables you to create a map for your Internet/Intranet without the need to know how to code in HTML. This module will cover how to publish maps that include links (landing pages) to your data. You will customise the landing pages, use Hotlinks, and explore other options in creating HTML maps.

## The Hotlink Feature

This module demonstrates how to set up and use the Hotlink feature in MapInfo Professional. This feature makes it possible to click on a map and launch a Web site, image or some other type of file.

### **MORE TRAINING INFORMATION: Private Training and Customised Courses**

Private training courses are available at your location or ours. You will benefit from private, focused instruction and save time and money by eliminating travel and related costs for your group. (In fact, if you have as few as four people to be trained, a private class may be more cost effective.) MapInfo can design a customised course for your organisation. The course can incorporate your data into exercises and case studies that are directly related to your business. Call the MapInfo Benelux Office on +31 (0)183 642950 for details and pricing.

#### **Book Now!**

**To Register for a Course:** Contact the MapInfo Benelux office! We can provide you with the latest schedule and availability. We will send you a course booking form that you can fax back to us.

Avoid disappointment – register early!! Places are limited on the courses to ensure that attendees receive individual attention. Delegates are enrolled in classes on a first come-first served basis!

#### **Public Course Locations:**

MapInfo's public courses are held at our Benelux offices in Gorinchem, Netherlands. Gorinchem is a short train journey from Amsterdam and easily accessible from many points within Belgium, Luxembourg and the Netherlands. As mentioned above, courses may also be held at your location.

