

# MINERVA

STATISTICAL CONSULTING



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Phone : (+44) 020 3828 7709

Email : [info@minervastatisticalconsulting.co.uk](mailto:info@minervastatisticalconsulting.co.uk)

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STATISTICAL CONSULTING



WORKSHOP : **Introduction to SQL programming**

DATE : **17-12-2016 - 18-12-2016**

LOCATION : **London**

PRE REQUISITES : **None. It is however helpful to have some college level mathematics (such as linear algebra and statistics).**

OBJECTIVES : **To equip students with a basic working knowledge of SQL programming.**

INSTRUCTOR : **Mr Simon Ennis**

OUTLINE : **See below**

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How to book : If you are interested in taking part in one of our workshops please feel free to contact us via phone or email to book a place or visit our training page.

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## OVERVIEW : Introduction to SQL programming

This course is targeted at beginners and assumes the students have no previous knowledge of SQL. The aim of the course is to prepare students for more intermediate and advanced studies in SQL programming.

The course is held in a computer room where each student will have access to a computer with a database previously installed on the machine should they wish to replicate the instructor's demonstrations.

The course will be delivered over 2 days with a total of 10 contact hours, subdivided in 1 hour sessions with breaks in between, see page 2 for more information.

### Day 1

Student will learn how to interact with a database and perform basic operations against the database. At the end of day one the following topics will have been covered:

- Interactive sessions and running scripts
- Creating SQL program
- SQL data types
- Using SQL data types as variables

### Day 2

The second day of the course will extend the student's knowledge of SQL types to include data structures and their use. By the end of the second day the students should have an understanding of the following topics:

- Database concepts, tables, rows, fields etc.
- Creating and using sequence
- The list structure and its use
- Mutable and non-mutable objects
- Common errors and basic error handling

Teaching material will be made available during the course.

**Reference book:** : *SQL BootCamp, Learn the basics of SQL programming in two weeks* by David Maxwell

## WORKSHOP : AGENDA

Please find below the agenda for the workshop.

### Day 1. Introduction to SQL programming (Part I)

- **9:00 - 9:45** : Arrival of participants and registration
- **10:00 - 11:00** : Session 1
- **11:00 - 11:15** : Coffee break\*
- **11:15 - 12:30** : Session 2
- **12:30 - 14:00** : Lunch\*
- **14:00 - 15:00** : Session 3
- **15:00 - 15:15** : Coffee break\*
- **15:15 - 16:30** : Session 4
- **16:30 - 16:45** : Coffee break\*
- **16:45 - 18:00** : Session 5

### Day 2. Introduction to SQL programming (Part II)

- **10:00 - 11:00** : Session 6
- **11:00 - 11:15** : Coffee break\*
- **11:15 - 12:30** : Session 7
- **12:30 - 14:00** : Lunch\*
- **14:00 - 15:00** : Session 8
- **15:00 - 15:15** : Coffee break\*
- **15:15 - 16:30** : Session 9
- **16:30 - 16:45** : Coffee break\*
- **16:45 - 18:00** : Session 10

\*Included in the course price. Vegetarian options available, please notify any additional dietary requirements in your application form.