

USING STATISTICS FOR CRIME ANALYSIS – PART 1

Course ref: CRIM15

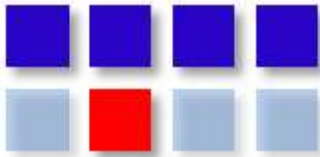
Course description:

This course introduces students to statistical analysis of quantitative data to aid crime and intelligence analysis in law enforcement. The course includes interpretation, data analysis & inference and simulation exercises and the skills covered can be used in tactical and strategic crime & intelligence analysis.

Course content

Included in this course:

- Introduction to statistical analysis
- Use of statistics
- Excel and statistics
- Excel Addin ToolPak
- Basic Statistical Concepts and Terminology
- Qualitative and quantitative analysis
- Principles of testing
- Describing data
- Descriptive statistics
- Inferential statistics
- Samples, populations, & inferential statistics
- Null and Research hypothesis
- Probability & Sampling Distribution
- Type I & Type II error
- Selecting Appropriate Significance Test
- Central tendency
- Variation
- Estimation
- One-sample hypothesis testing
- Two-sample hypothesis testing
- Regression
- Correlation
- Crime statistics
- Sources of data available for analysis
- Interpretation of the results of statistical crime analysis/research
- Charts and diagrams
- Presenting your findings.
- Other statistical packages
- Practical exercises
- Assessment



Duration

This course consists of 30 modules and takes about 15 hours to complete. However, individual students work at their own pace and so this estimate should be used as a rough guide only. It may take you considerably longer to complete, or you may finish the course in a shorter time.

IMPORTANT NOTE: When you start this course you will have a maximum of 28 days to complete it. If you do not finish the course within 28 days you will need to signup again.

Fees

The fee quoted applies to this online course only and is due immediately upon enrolment.

Fees are paid by credit or debit card using either Google Checkout, PayPal or our Secure Merchant Account (NoChex). We do not accept American Express cards.

Organisations should contact us for alternative payment methods if required.

The introductory inclusive fee for this course is:

£30 (UK Pounds)

\$49* (USD)

€34* (EURO)

* Exchange rate 27th July 2009

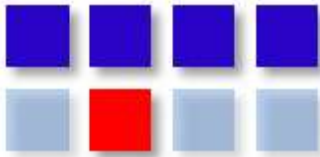
Who should take this course?

This course targets new and experienced crime and intelligence analysts who wish to use statistics to analyse information more effectively to assist in tactical, strategic and administrative analysis. This course is also suitable for officers, managers and researchers as well as analysts from external organisations who would like to use statistics in their role. .

How is the course presented?

This course is only available online - the main features include:

- Narrated video presentations to help you understand topics covered;
- Downloadable material - such as documents, audio and images;
- Interactive features such as self assessed knowledge checks;
- Links to relevant useful websites and other material;
- Tutor-assessed practical exercises;
- Testing segments at the end of each chapter;
- Online forums and online 'chat' sessions with tutors and other students;
- Direct email contact with your tutor;
- Reading lists;



Language

This course is currently only available in English.

Prerequisites

In order to complete this course, you must have general computer skills and be able to:

- Use a computer keyboard and mouse
- Navigate the internet to a basic level
- Open and close files on your computer
- Save and retrieve documents on your computer

You must also be able to understand written and spoken English.

Assessment & certification

This course contains a number of chapters. You must successfully complete each chapter.

A module is considered completed when you have finished all the module chapters and achieved an overall course mark of 60% or more - which is a basic pass - see the table shown below.

Mark (%)	Grade	Description
90-100	A	Excellent
80-89	B	Very Good
70-79	C	Good
60-69	D	Pass
50-59	F	Marginal Fail
0 -49	U	Clear Fail

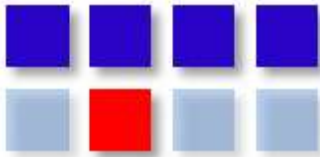
This course has been developed by Crime & Intelligence Analysis Training Ltd and our own qualification certificate is issued for successful completion. To successfully complete this course students must achieve an average pass mark of 60% (grade D) or higher in all modules on this course.

Applying for this course

Registration is always subject to availability.

This course is unrestricted and generally available to all applicants. However, this is subject to our terms and conditions and we reserve the right to deny access to course material at our sole discretion.

To sign-up for this course you must be registered as a student.



Course availability

This course is in the final stages of development and testing and is expected to be available very shortly. Please use the registration option on our website to sign-up for this course – we will inform you by email when the course is available to enrol upon.

Help

There is no face-to-face support provided for any of our online courses. However, when you sign up for a courses you will be supplied with email access to your personal tutor. Other contact options include **LiveChat!** which is accessible from a number of locations including the home page of our website.

Disclaimer

All information published on our e-learning sites is subject to change without notice.

We are not responsible for errors or omissions or damage of any kind resulting from access to our internet resources or use of any of the information contained therein.

Every effort has been made to ensure the accuracy of information presented as factual; however errors may exist.

We are not responsible for the content or functionality of any technology resource not owned or operated by us.

Any statement, comment, or opinion expressed by any user through use of our resources are those of the respective authors, who are entirely responsible for them, and these do not necessarily represent the views of Crime & Intelligence Analysis Training Ltd.

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