Are you making the most of your bat survey data?

Hands on data analysis

This one day course will provide participants with an overview of R and RStudio®; both open source freely available software. As powerful data management, analysis and reporting tools, knowledge of R and RStudio® enables users to effortlessly organise, analyse and communicate on large quantities of data.

Who is it for?

The course is for anyone who may find themselves needing to deal with and assess data and is specifically aimed at bat ecologists who generate large amounts of information from automatic detectors.

The course is designed for those with little to no programming experience – knowledge of R or RStudio® is not required.

It does not intend to teach statistical theory, only the commands and knowledge needed to implement statistical tests within the R and RStudio® software environment.

This course will provide a thorough introduction into the basic core of the R and RStudio® system and upon completion will enable participants to independently perform data manipulation, simple statistical analyses, visualisation and reporting of results.

What will it cover?

- Introduction to the uses of R and RStudio®
- An overview of sampling bat populations
- Conducting basic statistical tests and visualisation with the relevant commands
- Publishing analyses to html, PDF and Word®
- Step-by-step instructions for analyses and operations
- Practical examples and exercise sessions

What will I learn?

- Apply and operate R and RStudio®
- Implement data manipulation, importing, exporting and storing
- Execute common and useful R commands
- Discover the many data visualisation methods available
- How to present the analyses and results

Benefits of attending

- Gain a thorough experience of conducting simple analyses on various datasets
- Develop confidence in utilising R and RStudio® for individual specific needs
- Realise the added value of analysing large amounts of data using statistical techniques to draw robust conclusions

Are you making the most of your bat survey data?

Hands on data analysis

Event	Are you making the most of your bat survey data? *Hands on Bat Data Analysis*
Date and times	Wednesday 4th March 2015 10am – 4pm
Location	The Royal British Legion (West Hill), School Lane, West Hill Ottery St Mary, Devon, EX11 1TX http://www.rbl-westhill.co.uk/index_002.htm
Training Providers	Steve Markham and Richard Green
Cost (inclusive of VAT)	£150.00 prior 9th Jan 2015 £180.00 post 9th Jan 2015
What to bring:	Wi-Fi enabled laptop Pen/paper Lunch (light refreshments will be provided)
Travel information	The venue is located just off the A30. Exit at Daisymount junction (sign-posted to Ottery St Mary) and head south along the B3180, following sign to West Hill. After 0.8 miles turn left into West Hill at the first crossroads. After 0.4 miles turn right into School Lane (opposite a bus shelter) and immediately right into British Legion car park. The nearest train station is at Whimple, 3.5 miles from the venue. If you let us know what time you are arriving we can pick you up. The venue is also located only 7 miles from Exeter Airport, should you be coming from further afield. Pick up available on request.
Booking	To book a place, please email office@richardgreenecology.co.uk or call 01404 811609. Payment by cheque or BACS. An invoice will be provided with payment details. Places cannot be held until payment is made in full.