

Introduction to QGIS: Spatial Data and Spatial Analysis

This page contains useful links and information for the course.

Learning Outcomes

- Be able to set up QGIS and add data
- Know how to classify data for a choropleth map
- Be able to join tabular data to spatial data
- Designing and producing a publication ready map in QGIS
- Understand how to import a range of data types into QGIS
- Be able to locate and open a range of GIS data sets
- Know how to apply GIS analysis tools including spatial overlays and point in polygon.
- Be confident at applying the skills to their own data

Contact

Dr Nick Bearman, nick@geospatialtrainingsolutions.co.uk

Outline of the day

- 9:45am – 10:00am – *Registration and Refreshments*
- 10:00am – 10:30am – What is GIS?
- 10:30am – 11:30am – Practical 1: Intro to QGIS
- 11:30am – 12:00pm – Classification
- 12:00pm – 12:30pm – Practical 1: Intro to QGIS ctd.
- 12:30pm – 1:30pm – *Lunch*
- 1:30pm – 1:45pm – Cartography and Map Design
- 1:45pm – 3:00pm – Practical 2: IMD Maps
- 3:00pm – 3:15pm – *Tea/Coffee*
- 3:15pm – 4:00pm/4:30pm – Practical 4: Working with your own data

Useful Websites

- Electronic versions of all resources: <http://bit.ly/qgis-spatial-data>
- Useful data sources:
 - OS Open data - <https://www.ordnancesurvey.co.uk/opendatadownload/products.html>
 - Census boundary data - <http://census.ukdataservice.ac.uk/get-data/boundary-data.aspx>

Useful Points

- Remember that an electronic version of the notes is available for you to keep and refer to as you like.
- Remember that a green post it means you are progressing well, a red post it means you need help (particularly useful if I am busy with someone else, so can't come to you straight away).
- If you have time, you can complete the optional exercises, but this is not required.

