**Confident Spatial Analysis in QGIS**

**Wifi Networks:**

Eduroam

**Learning Outcomes**

* Be able to locate and open a range of GIS data sets
* Understand how to import, join and make use of postcode and XY coordinate based data
* Know how to apply a range of GIS analysis tools, including spatial overlays, point-in-polygon analysis and spatial joins.
* Be aware of other types of GIS analysis and where they could be used
* Be confident at applying the skills to their own data sets

**Contact**

Dr Nick Bearman, [nick@clearmapping.co.uk](mailto:nick@clearmapping.co.uk), 07717745715

**Location**

Room 1.84 GEOPL Computer Lab, School of Geography and Planning, Cardiff University, Glamorgan Building, King Edward VII Avenue, Cardiff CF10 3WA.

**Outline of the day**

* *10:00am – 10:15am – Registration & Refreshments*
* *10:15am - 10:45am – Recap of GIS, joining and spatial data types*
* *10:45am - 11:15am – Practical 1: Recap of Loading, Joining and Symbolising Data*
* *11:15am - 11:45am – Finding, using and evaluating data*
* *11:45am - 12:30pm – Practical 2: Swansea & Cardiff: Crime, Houses Prices and Flooding*
* *12:30pm - 1:30pm – Lunch*
* *1:30pm - 1:45pm – Recap and Analysis*
* *1:45pm - 3:00pm – Practical 3: Cardiff: LSOAs, IMD & Greenspace*
* *3:00pm - 3:15pm – Tea/Coffee*
* *3:15pm - 4pm/4:30pm – Practical 4: Applying analysis to your own data*

**Useful Websites**

* Electronic versions of all resources: <https://github.com/nickbearman/confident-spatial-analysis-qgis>
* Data:
  + OS Open Data (<https://www.ordnancesurvey.co.uk/opendatadownload/products.html>)
  + Free GIS Data, Robert Wilson (<http://freegisdata.rtwilson.com/>)
  + Census & Census Boundary (<http://census.edina.ac.uk/>)

**Useful Points**

* Remember to put your hand up if you have questions or get stuck. If I am busy talking to other people, pop a red post it on your monitor and I will come over to you when I am free.
* If you have time, you can complete the optional exercises, but if you don’t have time you don’t need to.



