**Geographic Data: Understanding the World Around Us**

This page contains useful links and information for the day.

**Learning Outcomes**

* Be able to set up QGIS and add data
* Understand how to add data with a latitude / longitude coordinate
* Join tabular data to spatial data
* Understand how to undertake simple calculations
* Understanding how to classify data for representation on a map
* Designing and producing a publication-ready map in QGIS
* Saving/exporting your maps as image files

**Location** G07 (IT Lab) & Rooms 116 (lunch), 126 Mount Pleasant, University of Liverpool.

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**Outline of the day**

* 9:30am - 9:40am – Registration & Welcome
* 9:40am - 10:00am – What is GIS?
* 10:00am - 10:20am – *Google Earth*
* 10:20am - 11:00am – Practical 1 *Intro to QGIS*
* *11:00am - 11:30am – Coffee (room 116)*
* 11:30am - 12:00pm – Classification
* 12:00pm - 1:00pm – Practical 1 *Intro to QGIS ctd.*
* *1:00pm - 2:00pm – Lunch (room 116)*
* 2:00pm - 2:15pm – Recap and Map Design
* 2:15pm - 3:15pm – Practical 2 *Tiger Map*
* *3:15pm* - *3:30pm – Break*
* 3:30pm - 4:30pm – Practical 2 *Bring your own data*

**Useful Websites**

* Electronic versions of all resources: <https://github.com/nickbearman/intro-qgis-spatial-data>
* Infuse (for Census data) - <http://infuse.mimas.ac.uk>
* Census boundary data - <http://census.ukdataservice.ac.uk/get-data/boundary-data.aspx>
* OS Open data - <http://www.ordnancesurvey.co.uk/opendata>
* YouTube Video on joining LSOA and .CSV files - <https://www.youtube.com/watch?v=QTlqxx1IUv8>
* GADM (Global Administrative Areas) <http://www.gadm.org>

**Useful Points**

* Remember that an electronic version of the notes is available for you to keep and refer to as you like.
* If you have time, you can complete the optional exercises, but if you don’t have time you don’t need to.

