

Open Source QGIS 2.0

Technical Training Workshop Series
Center for Geographic Analysis, Harvard University

Instructor: Lex Berman

Website: <http://maps.cga.harvard.edu/qgis/>

Course Materials: <http://maps.cga.harvard.edu/qgis/data/>

Schedule: 2 hours

1:00 – 1:40 pm Basics of QGIS: Identify, Select, Symbolize, Export

part one

- User Interface, Menus and Toolbars, Plugin Manager
- Opening Layers, Layer Order
- Identify, Select, and Querying Attributes
- Layer Properties
- Join by Location / Spatial Join
- Projections and Coordinate Reference Systems
- Styles, Labels, Symbolization
- Exporting in various formats

1:45pm – 2:15pm Importing from CSV, HeatMap, Point in Polygon, Field Calculator

part two

- Import X, Y data from CSV
- Heat Maps
- Point in Polygon Count & field calculations (Pop Density)

2:20pm – 2:50pm Spatial Analysis, Distance Matrix, Buffers

part three

- Distance Matrix and Statistical Summaries for Spatial Joins
- Geoprocessing: Buffers, Difference, Clipping

2:50pm ~ 3:00pm wrap up