

JANUARY 8-9, 2015

Advanced Mapping

Thursday, Jan. 8th	<i>Upper Newsroom</i>
8:30-9:00 AM	Coffee & Welcome
Morning	<p>We'll briefly review introductory mapping concepts, projections, and design principles including the effective use of color. We'll also discuss strategies to display data on maps that avoid the limitations of point and choropleth (filled area) maps – including hexagonal binning and cartograms.</p> <p>We'll discuss the advanced mapping concepts, geodata formats, and then use Open Refine to turn addresses into latitude and longitude co-ordinates using two free geocoding application programming interfaces (APIs).</p>
12:00-1:00 PM	Lunch on your own
Afternoon	<p>With guidance from the instructors, you'll make static maps using QGIS, the leading open-source Geographic Information System, and export those maps in print- and web-friendly image formats. We'll then use QGIS to process geodata for later online mapping.</p>
4:00 PM	Wrap up & what to expect next day

Friday, Jan. 9th	<i>Upper Newsroom</i>
8:30-9:00 AM	Coffee
Morning	Today, you will get hands-on experience using data we processed using QGIS, and obtained in real-time using an API. Make an interactive online map with Leaflet, the leading JavaScript mapping library.
12:00-1:00 PM	Lunch on your own
Afternoon	<p>We'll continue the guided hands-on learning when we make online maps using CartoDB; exploring advanced functions including Torque, which can be used to animate maps that include data on time and date.</p> <p>As time allows, we'll discuss other resources for mapping.</p> <p>Complete workshop evaluations.</p>
4:00 PM	Thank You!