

python plugins

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outline

python plugins

MMQGIS

QuickMapServices: OSM and others

qgis2web

workflow/saving and customizing

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get the plugins

- ◇ plugins-manage and install plugins
 - you can enable there lots of stuff—scroll down, there's some self-explanatory options
- ◇ experiment at home! many great tools there

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the power

- ◇ arguably the most useful and comprehensive plugin of all
- ◇ we will use it a lot in this class; especially:
 - MMQGIS-Combine-Attributes Join from CSV layer
 - MMQGIS-Combine-Geocode CSV with Google / OpenStreetMap

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bringing basemap

- ◇ esp if you map at low level (neighb, city, county)
 - you want some background (roads, parks etc)
(eg as in google maps)
- ◇ you could do it step-by-step
 - find roads layer, parks layer, etc
 - lots of work !
- ◇ you can very easily bring all of that with a basemap

QuickMapServices plugin

- ◇ Plugins-Manage And Install Plugins
 - and search for “QuickMapServices” and install it
- ◇ Web-QuickMapServices-OSM-OSM Standard
 - and it appears on the left under layers
- ◇ move it as the last layer so that it does not cover your map
 - and nj_counties-Layers-Properties: Fill, Simple Fill: Fill style: “No brush” so that the polygons have no fill
- ◇ again especially useful at low level: neighb, street, etc

Stamen

- ◇ QuickMapServices-Settings-More Services-Get contributed pack
- ◇ and really really nice are Stamen maps, say:
 - Terrain
 - Toner

OSM:OpenTopoMap

- ◇ as per satellite-like basemap layer which shows land use, i'd recommend OSM:OpenTopoMap
- ◇ it helps say when you want to figure out what is going on in specific area

others

- ◇ there are many
- ◇ names mostly selfexplanatory
- ◇ go through them and play around
- ◇ you can present on this and get extra credit!

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qgis2web

- ◇ install it; will appear under web, like openlayers
- ◇ Apperance: Add layers list: Expanded
- ◇ Export: Export folder change to where you can write
- ◇ Have Stamen Toner underneath :)
- ◇ https://www.qgistutorials.com/en/docs/web_mapping_with_qgis2web.html
- ◇ <https://www.xyht.com/spatial-itgis/creating-a-web-map-using-qgis2web/>
- ◇ [https://www.sigterritoires.fr/index.php/en/
how-to-export-your-qgis-project-to-an-html-page-in-two-clicks-the-qgis2web-pl](https://www.sigterritoires.fr/index.php/en/how-to-export-your-qgis-project-to-an-html-page-in-two-clicks-the-qgis2web-pl)
- ◇ howto share this? zoom screenshare ! :)
- ◇ zip and email to people and ask them to unzip and open index.html with webbrowser
 - or see references—you can webhost that :)

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workflow

- ◇ save the whole project (with many layers) and next time just open it
 - (again, dont rename, move shapefiles around—it'd break things)
- ◇ can move layer up/down in layer window
 - and can turn it on and off
- ◇ can have many layers with say different symbology of the same shapefile
- ◇ example—let's load nj_counties and produce several different symbologies and save whole project...and open it

customizing

- ◇ one way to customize is to instal py plugins
- ◇ but you can also customize the presence and placement of the core tools
- ◇ you'll use qgis a lot—make it comfortable
- ◇ can customize what is displayed—right click at the top (below MENU)
- ◇ and select the stuff you want to have displayed
- ◇ can grab a toolbar (left side) and move around

misbehaving software

- ◇ most of the software sometimes misbehaves...
 - it does silly things, refuses to do something, crashes, etc
- ◇ troubleshooting:
 - email me
 - do what you are doing in a different way-e.g try different dataset; different var; different approach etc (usually can do same thing in many ways)
 - shut it down and fire it up again
 - reinstall