

This version: September 1, 2020

[not graded, but **highly recommended (will likely get behind and lost on ps1 without ps0** and will give you 1 point of extra credit!]

1. Use your (gis) data. Again if you do not have dataset, search on the internet for a shapefile, say for NJ counties: "NJ counties, shapefile" or email listserv for help
2. Load the data into qgis, and produce a map, and submit ps as per directions below

data management takes time! value your time! and figure out data you'll use in this class asap !!! producing maps is fast; but data management is 50-95% of time !!!

1. think hard about data you'll use in your career—otherwise you'll waste 100+ hours !!!
2. write couple sentences/paragraphs about data you want to use
3. and always (even if you already know which datasets you'll use), ask for more data: eg "i want to study X and Y, and need data that will measure it"—in addition don't forget to explicitly say your UA (geographies you want to study) —say daycares, hospitals, census tracts (neighborhoods), municipalities, counties, etc

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## general notes (always the same):

broad idea:

- it will be cumulative: ps will accumulate into a final project
- it will be also collaborative: you will see what others are doing

submission guidelines:

- submit only one pdf into sakai's resources folder, there must be only one pdf for you (or your group) and then for next ps you'll just add new section with new ps to your earlier ps and upload that, and remove the previous pdf from sakai; the pdf must be named with your name or your group names and brief explanatory substantive title, say joe bean and bill smith mapped crime across NJ counties: joeBeanBillSmithCrimeNJCounties.pdf
- each ps section will have a map (make it big with nice resolution, but not too big, say each map should be at least half-page if not much detail or full page if detailed and <1mb) and brief description of a map, say few sentences; also list any problems you've encountered and can ask questions!
- exact links to all of the source data (so that i could create the map myself); note: exact links, eg do not say census.gov, but give full url to the data—i must be able to find it; sometimes there is no generic URL—then give steps: what I need to click to get the data!; or upload data say to your dropbox or google drive and provide link to there; so there must be all raw gis data (e.g. .shp .dbf and .shx and others if any), and any other data (e.g., .csv, .xls) that you used to produce a map; in rare circumstances if you use confidential/private data that cannot be shared, please contact me (and still do provide links to all the other data you're using)
- in Sakai's Resources folder I will have one text file with comments on your ps
- in addition to submission, you will usually (be ready every class! depending on how we do on time) present the map in class—can just show map(s) (max 4-8min (depending on class size): i will cut you off!

to reiterate, for each ps the following must be always submitted as an added section to the same pdf file:

- the maps(s) with short description and problems and questions
- very specific links to all data
- and prepare for presentation

as soon as possible (and definitely once we cover pretty.pdf, final\_project.pdf) :

- the map needs to be "pretty" (syllabus: pretty.pdf): must have legend, title, cut decimal points, make fonts small, etc)
- the map must be "interesting" (syllabus: pretty.pdf, final\_project.pdf): ask yourself the "so what?" question; essentially, you need to tell a story with your map

tips:

- start early; start tomorrow or the day after tomorrow or tonight! otherwise you'll forget it...and then, next week polish it
- use your (gis) data—again, if you do not have dataset, have a look at data\_sources.csv from the class, or email the listserv
- you cannot use the data I used in the class (or that I am using in the slides posted on the website for the future classes)
- assignments are due by **the beginning** of the class
- if you choose to work in a group, write down the names of people you worked with; otherwise i'll subtract points

**wiki formatting: side by side**

```
<gallery>
File:Example.jpg|Item 1
File:Example.jpg|a link to [[Help:Contents]]
File:Example.jpg
File:Example.jpg|alt=An example image. It has flowers
File:Example.jpg|''italic caption''
Example.jpg|on page "{{PAGENAME}}"
File:Using Firefox.pdf|page=72
</gallery>
```

OR:

```
{{multiple image
| footer      = The mule links to ''[[Mule]]'', the donkey does not link anywhere, and the trout links to its image description p
| align       = left

| image1      = Frecklesmule.jpg
| width1      = 143
| alt1        = A mule
| caption1    = <center>A mule<br />sdad</center>
| link1       = Mule

| image2      = Donkey 1 arp 750px.jpg
| width2      = 150
| alt2        = A donkey
| caption2    = <center>A donkey<br />sdas</center>
| link2       =

| image3      = Rainbow_trout.png
| width3      = 91
| alt3        = A trout
| caption3    = <center>A fish<br />
{{sdsadas}}, ''asdasd''</center>
}}
```