

Geog 461W - Lab 02

Fall 2016

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Based on lab instruction prepared by Yanan Xin

Happy Labour Day! I hope you were able to enjoy the long weekend.

For this lab....

Find the folder/HTML file you finished in Lab01. Complete the following tasks (if you could not finish all the tasks in lab 01, just pick it up from where you left the work off. You do need the GeoJSON and markers added to your map for the rest of this assignment though. If you have trouble starting, email your TA immediately for further details and assistance).

This lab is intentionally shorter, but may require more research and debugging on your behalf, especially that you need to learn how to create functions and pass them in options. Learn to utilize the internet as much as possible. For every single coding problem you face, you will most likely find someone on the web who has either addressed it or suggested solutions.

Task 01: Change to (circle) point symbols

I want you to style your point layer the way you like. As you have seen, Leaflet uses pin-like markers as default symbolization for point layers. You canNOT change the appearance of those pins. You will have to first convert the pin symbols to circle-like point symbols. You will need to pass a pointToLayer function in the GeoJSON Options. Check out Leaflet's [documentation](#) (and you can search the internet where you can find code snippets galore).

Task 02: Style the points

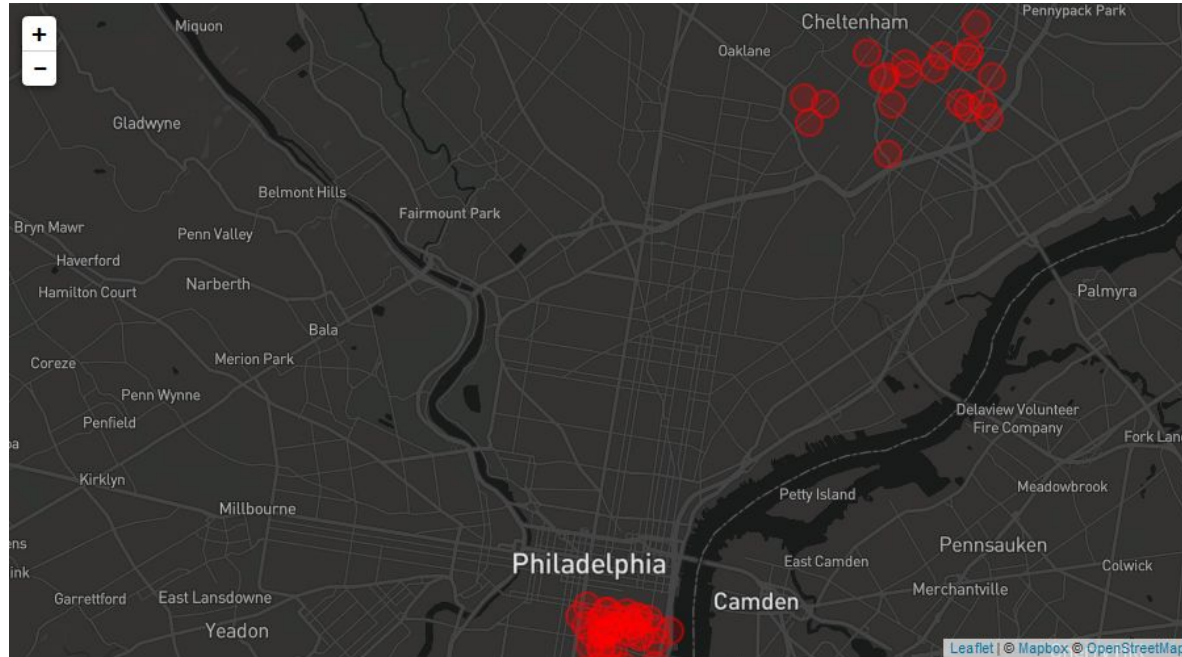
Style your point layer the way you like.

For reference, check Leaflet's documentation and examples [here](#) and [here](#) and look for “style” (and of course search the internet for more examples).

- 1) Change the color and size of your point layer based on an attribute, such as District.
- 2) Change the content of the popup to include one more properties of the bike thefts, such as theft hour. You can use HTML text formatting tags ([example](#)) for give the popup content a nice appearance.

Now, zip your LastNameLab02Folder and upload it to Canvas. Don't forget to type your answer the two lab question in the text entry section of Canvas.

This is how a point layer would look like, with minimal styling:



Task 03: Filter

Now use the filter option (guess where to look for code snippets?) so that only bike thefts after 4 PM are rendered.

Now, zip your LastNameLab02Folder and upload it to Canvas. :-)