Anita Ifeadi

1002326315

GGR472H1

Lab 3: Creating Maps (Flying Solo)

The following map compares the legal and housing support that may exist for the marginally disenfranchised in Toronto. The CHASS data used, was gotten from the 2016 Canadian Census, and showcases the median income of Torontonians across neighbourhoods. Secondly, the DBF file used, was gotten from StatsCanada; again, this represents the 2016 boundary file of Toronto. In joining census data to the boundary shapefiles, I utilized ArcMap. By inspecting each attribute table, I was able to find fields that matched; the fields with corresponding record values. The “join by attributes” tool was used to join the two pieces of information which was later exported for future use. The points data, was gotten from Toronto Open Data Source, and it represents the availability of Legal Justice Support and Housing Eviction Help around the city, especially to those neighbourhoods that house the large portion of Torontonians who earn between $0 - $56,640. If there were to be an increase in rental prices, and a decrease in the amount of disposable income left to afford rent, and based on how much they earn, are Torontonians able to get the necessary support they need to (a) sue landlords that illegally take advantage of the rental cap, or (b) get help if they may face possible eviction of not being able to afford to live in their respective houses.

In putting the map together, I made a choropleth map showing 5 feature classes/income range; the people who earn $0 - $56,640, $56,640 - $79,616, $79,616 - $115,456, $115,456 - $184,661 and Above $184,661 by neighbourhood, using a customized style from mapbox. By linear Interpolating (Interpolate tool) the source layer ('median_income_final_zip_2-7354y6') to get a number, but if provided with a non-number default to 0 after interpolating between the pair of stops just less than and just greater than the input, and assigning it a colour specification. Secondly, I added the source code for each necessary layer. In this javaspcript file, I implemented the mouse visualization code that will allow the user to interact with each layer on the map. By using both the Mouse Hover and Mouse Click function, I was able to define when a pop-up will happen for each layer. In completing the pop-up

section of the code, I attached texts/descriptors that would pop up during a pop up. These descriptors contain a header, the agency name and a link to where the user could further explore more information if they chose to. Lastly, in the .html file, I was able to create a legend for each layer, included a title, header and a footer. Unfortunately, I tried to implement a pulsing effect to one of the point layers and the result turned out negative.

LINK TO FINAL MAP: file:///Users/admin/Desktop/GGR472H1/Lab%203/lab3.html

References

"Welcome to My.access -- Please Choose How You Will Connect." *My.access - University of Toronto Libraries Portal*, dc2.chass.utoronto.ca.myaccess.library.utoronto.ca/cgi-bin/census/2016/displayCensus.cgi?year=2016&geo=ct.

Statistics Canada: Canada's National Statistical Agency / Statistique Canada : Organisme Statistique National Du Canada, www150.statcan.gc.ca/n1/en/type/data?MM=1.

"Open Data Catalogue." *City of Toronto Open Data Portal*, open.toronto.ca/catalogue/?sort=last_refreshed%2Bdesc.