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NMP 673

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Final map project

**Los Angeles electricity consumption by zip code**

I would like to map average annual electricity usage and water usage by household in Los Angeles.

The map will show average consumption by zip code through out the greater LA area. My map will be a choropleth using a json file of the LA zip codes.

I am making this make to illustrate the wide difference in household electricity use. Utility consumption is a good indicator of life style and relative prosperity and catches a wider snapshot of economic success than just income level or home value.

My map will be for a general public audience with an interest in resource consumption, income inequality or perhaps to see how their own zip code compares to their neighbors.

The user will be able to use a slider to select the year data to show and the data will be displayed in an info window. My goal is to create an extremely user friendly map with intuitive controls while avoiding dense text or unnecessary encumbrance’s.

My data is from the LA open data-

Electricity data

<https://data.lacity.org/A-Livable-and-Sustainable-City/Average-monthly-residential-energy-usage-By-zip-co/rijp-9dwj>

The csv is in my lab 6 github.

Water data

<https://catalog.data.gov/dataset/residential-water-usage-zip-code-on-top-cb2acut>

The water data will need more cleaning to fit it into the same style as the electricity data but I can work over it at bit.

To build my map I’ll be using data stored in a CSV and Json files. I will be coding the map using; Leaflet, Jquery, Mapbox JS, Mapbox CSS and Omnivore, additionally I will be using HTML and CSS. My map will be hosted on a GitHub io page.