DSCI 554 LAB 8

MAPS

Dr. Luciano Nocera

USC Viterbi
School of Engineering
Integrated Media Systems Center

🧰 TOOLING

MAPBOX

Mapbox provides SDKs and APIs for mapping. Follow instructions on the Mapbox Access token to obtain a token to use for the lab.

CURL

curl is a command line tool and library for transferring data with URLs. Download and install from curl.

GEOJSON.IO

geojson.tools allows to edit GeoJSON. Login and link your GitHub account to https://geojson.io to save your work.

XYZ GEOJSON.TOOLS

Online GeoJSON editor http://geojson.tools/ for quickly checking your GeoJSON.

GDAL

GDAL is a translator library for raster and vector geospatial data formats. The command tools at https://gdal.org/ are useful if you need to automate map production.

OGRE

We will use Ogre for manual map production. This is an online tool that uses GDAL.

🏋️ ex0: Google maps
🏋️ ex1: SVG MAPS
🏋️ ex2: MAPBOX
🏋️ ex3: Leaflet
🏋️ ex4: GeoJSON
🏋️ ex5: D3 GeoJSON map
🏋️ ex6: TopoJSON, D3 choropleth map
🏋️ ex7: D3 LA County Communities map
🏋️ ex8: shapefiles and GeoJSON
🏋️ ex9: projected GeoJSON and TopoJSON
🏋️ ex10: D3 proportional symbol map
🏋️ ex11: D3 choropleth map

🚨 Make sure to commit & **push** by the deadline (15% of grade)