GitHub Gist


eyeseast / **census3nicar14**

Last active a month ago — forked from jkeefe/census3nicar14 (/jkeefe/ef5c8baf45ef2eaaf8e6)

census3nicar14

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CHRIS
Get the data ....

        Census Reporter ... GEOJSON or CSV
        - For example: Age by Language Spoken at Home for the Population 5 Years and Over
        - Download here http://censusreporter.org/data/map/?table=B16007&geo_ids=16000US2507000,05000US25025,31000US14460,04000US25,01000U

        - Everything is zipped and comes with metadata.json (contains fieldnames and such)
        - topojson will make this geojson smaller, but make sure you preserve properties!

        US Atlas
        - Mike Bostock collected a bunch of GIS resources in one place
        - Everything is in the Makefile. Just git clone and make.
        - https://github.com/mbostock/us-atlas

        Caveat: Node Canvas is a pain to install. If it gives you trouble, comment it out in package.json before you make.

JOHN
Fusion Tables

        PROS
        - Easy
        - Usually free
        - You have it already
        - Good for fast, quick, low-data maps

        http://drive.google.com
        CREATE -> Fusion Table
        upload the census data

        Next you need the shapes

        Census Shapefiles
        http://www.census.gov/cgi-bin/geo/shapefiles2012/main

        But you need them to be in KML for Google
        One way is to use CartoDB to upload then Export
        http://cartodb.com

        Using Export to download

        CREATE -> Fusion Table

        upload the KML
        (I did it already, so it's in my account)

        Join the tables together with file -> Merge

        Style them with the buttons on the left
        Legends

        Embed them with SHARE


JOHN
CartoDB

        PROS
        - Friendly interface
        - Free to tinker (otherwise paid)
        - Great team / support
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        - Great team / support
        - Handles bigger data pretty well
        - We like it for internal draft maps for reporters

        Show median income with wizard

        Life in the Middle story
        http://www.wnyc.org/story/life-in-the-middle/

        The map Jenny Ye made with aSQL statement:
        SELECT *  FROM life_in_the_middle_merge WHERE median_income < '52865' AND median_income > '50865'

        Show sharing with URL
        http://cdb.io/OOUH5u


JOHN
Mapbox / Tilemill

        PROS
        - Complete style control
        - Rendered ahead of time
        - Superfast load, even on mobile
        - Great for high-data maps

        Median income across the US
        http://project.wnyc.org/median-income-nation/#5/39.859/-74.751


JOHN
QGIS

        PROS
        - Can change shapefiles
        - Billions of other things
        - For that moment when you need to change / blend / reproject

        Remove water from census trick outlined here:
        http://johnkeefe.net/water-begone


CHRIS
Leaflet

        - Start with GeoJSON (or topojson and unpack it). Leaflet knows how to deal with GeoJSON out of the box: http://leafletjs.com/refe
        - I use [d3.scale.quantize](https://github.com/mbostock/d3/wiki/Quantitative-Scales#wiki-quantize) and [colorbrewer](https://githu
        - Example, inequality by county: http://eyeseast.github.io/visible-data/2014/01/28/inequality-in-every-county-in-america/#5/38.942

CHRIS
D3 svg

        - Start with GeoJSON (or topojson and unpack it)
        - Mike Bostock has a [good tutorial here](http://bost.ocks.org/mike/map/) on mapping with D3.
        - For choropleth maps, again, use [d3.scale.quantize](https://github.com/mbostock/d3/wiki/Quantitative-Scales#wiki-quantize) and [
        - Example, mapping states: http://eyeseast.github.io/visible-data/2013/08/26/responsive-d3/
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