Enabling Use of Government Tabular Data in a Geographic Context

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Project Status

- Developed and deployed geocoding on GeoCommons
 - US Street Level geocoding
 - TIGER/Line data source
 - Supports NAVTEQ or other data imports
- Adding GeoNames Data to provide International Capabilities
- Enhancing U.S. Geocoding to accept both string addresses and structured address queries (address, city, state, ZIP)



FGDC Cap Grant, Category 4

- Easy and productive access to geographic, tabular government data
- Reference location by Address, Code, or Coordinates
- Shared Public Web Service
- Discoverable, Accessible, and Applicable to geographic contexts



Open-Sourced GeoCoder

- Technical Discussion Group
- http://groups.google.com/group/geocommons-geocode
- Source Code Location
- http://github.com/geocommons/geocoder/
- 59 Repository Watchers and 6 Forks



Implementation

- Open-Source Geocoding Engine for Street Address georeferencing
- GeoJoin Engine for polygonal regional georeferencing
- Spatial, hierarchical aggregation

Open and Accessible Public Service

- GeoCommons.com
 - Public Web Service
 - ReST Application Programming Interface (API)
 - KML, GeoRSS, WMS, ... output
- Discovery
 - Catalog Services for the Web (CSW)
 - OpenSearch (-Geo, -Time)
 - Atom GeoRSS



Test Data Sets

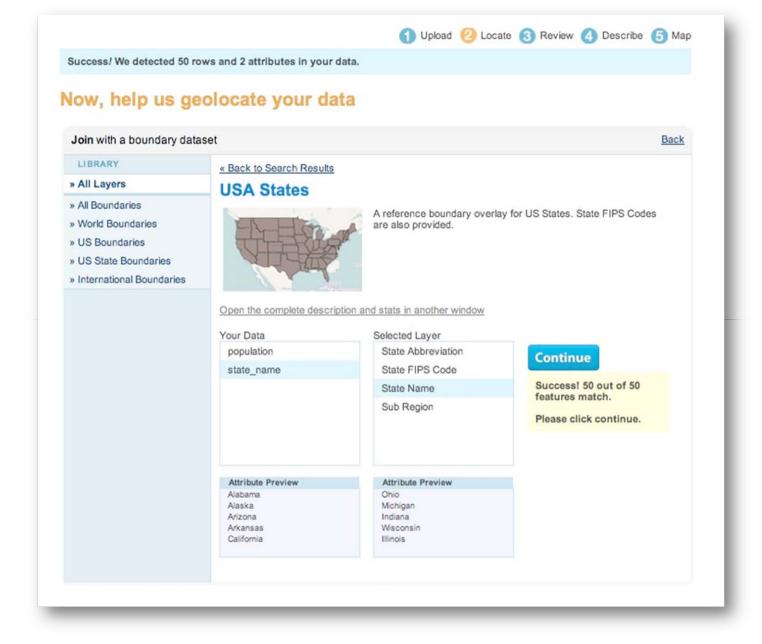
- Bureau of Labor Statistics
- Federal Communications Commission
- Centers for Disease Control
- Additionally
 - USAspending.gov
 - Grants.gov
 - Many others



Apportionment

Using simple analysis to answer questions



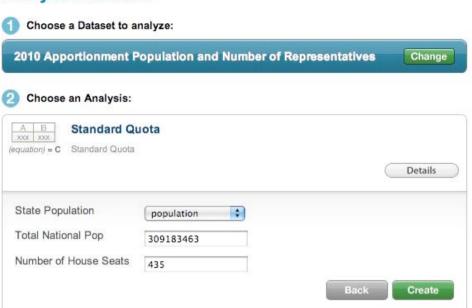


Join the latest population data to boundaries





Analyze a dataset



Need Help?

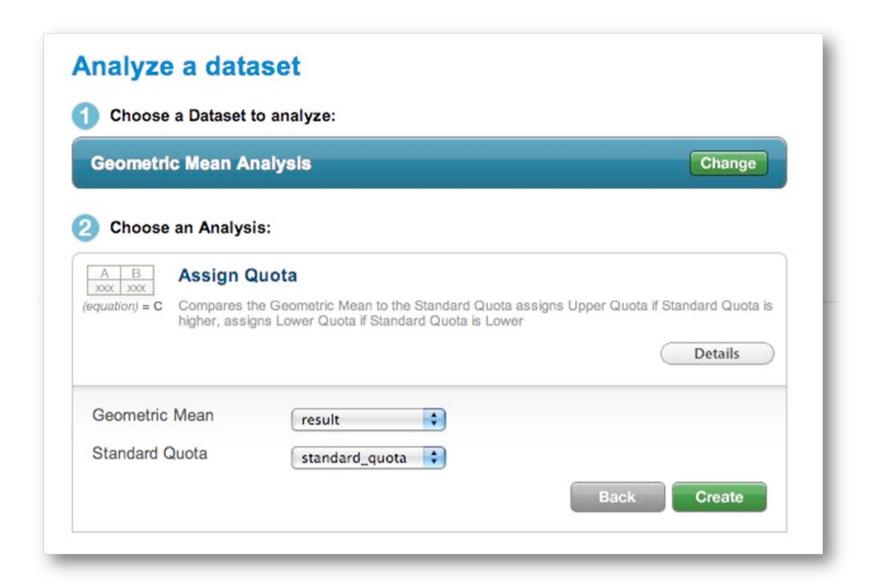
Dive into the User Manual

Contact Support

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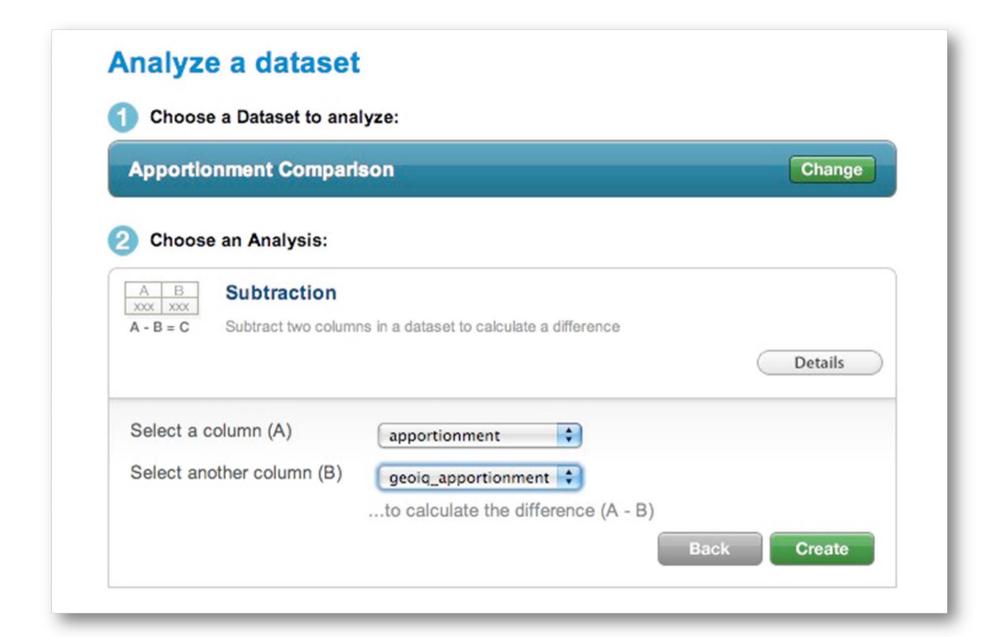
Choose an analysis widget





Connect the results to a 2nd widget



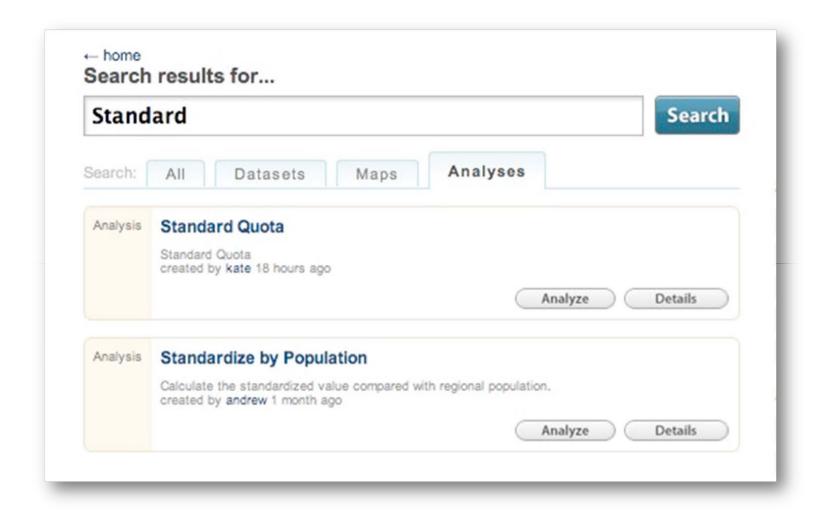


Test the result



Perfect!!!



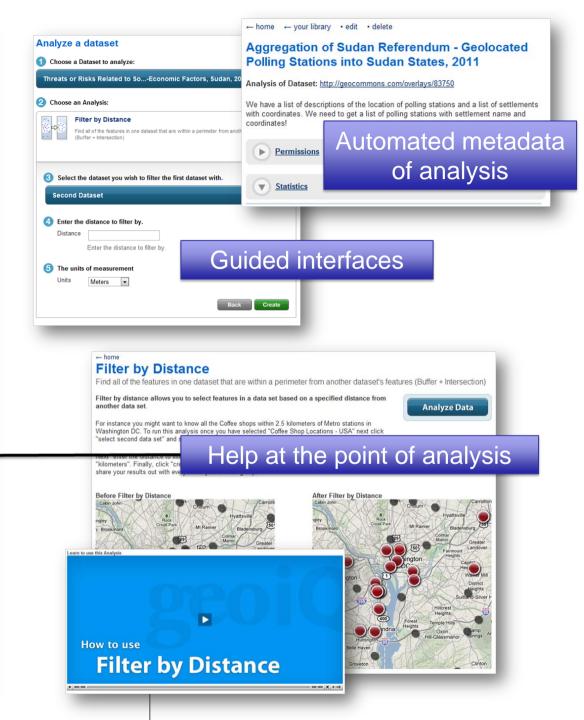


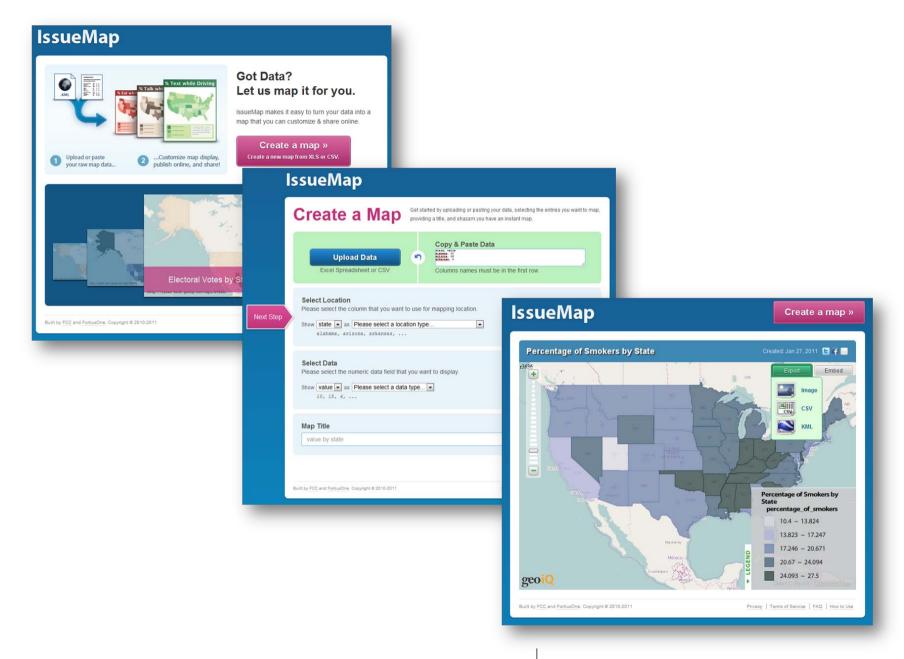
Share widget to be discovered by others



The Result







IssueMap for fast map creation and sharing



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