Demographic Rest API

# Description:

Demographic rest sends back data from various government agencies including

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| 1. Population by race 2014 2. Population by race 2009 3. Population by gender/age 2014 4. Population by marital status 2014 5. Population by income 2014 | 1. Population by education level 2014 2. Housing index by state 3. Home pricing information per area current 4. School ratings high schools current   School ratings middle schools current  School ratings elementary school currents   1. Unemployment data by area |

# Functions:

Various functions called by the API

Use [http://www.example.com/<function>/<param1>/<param2>/<param](http://www.example.com/%3cfunction%3e/%3cparam1%3e/%3cparam2%3e/%3cparam)...

Required Variables:

Place: FIPS code

State: FIPS code

Type: ‘state’, ‘county’, ‘place’

Stateabbr: Commonly accepted two-letter state abbreviation. E.g. NY, NC, AK

Areaname: name of city to return data from or about. E.g. Cary, Dallas, Chicago, New York.

Date1: Beginning date in range. Format: YYYY-MM-DD

Date2: Ending date in range. Format: YYYY-MM-DD

Levelcode: ‘high-schools’, ‘middle-schools’, ‘elementary-schools’

Fips1: State FIPS code

Fips2: Second state FIPS code

## Additional Variables: for page headings and such

County1, county2: e.g. Wake, Queens, Coryell, La Crosse

Lsn1, Lsn2: e.g. North Carolina, New York

## Output page URL template/example

[http://www.example.com/index.html?lsn1=north%20carolina&lsn2=new%20york&county1=wake&county2=manhattan&place1=10740&place2=51000&state1=37&state2=36&type=place&stateabbr1=NC&stateabbr2=NY&areaname1=Cary&areaname2=New%20York&date1=2016%2D02%2D01&date2=2016%2D02%2D29](http://www.example.com/index.html?lsn1=north%20carolina&lsn2=new%20york&county1=wake&county2=manhattan&place=10740&place2=51000&state1=37&state2=36&type=place&stateabbr1=NC&stateabbr2=NY&areaname1=Cary&areaname2=New%20York&date1=2016%2D02%2D01&date2=2016%2D02%2D29)

Are you scared yet? Let us break that down a little. This makes the assumption that you are accessing every function in the API. Obviously your GET string will be different based on the functions that you use

Remember you are comparing two different geographic areas; so many variables are doubled for each area

[**http://www.example.com/index.html**](http://www.example.com/index.html)**? :** The domain

**lsn1=north%20carolina&lsn2=new%20york & :** Long state Names for each place we are comparing

**county1=wake&county2=manhattan & :** Counties for each geographic area

**place1=10740&place2=51000 & :** Place FIPS codes for each geographic area

**state1=37&state2=36 & :** State FIPS codes for each geographic area

**type=place & :** can be : ‘state’, ‘county’, or ‘place’. You only need one of these.

**stateabbr1=NC&stateabbr2=NY & :** commonly accepted 2-digit state abbreviations for the state in which each geographic area resides

**areaname1=Cary&areaname2=New%20York & :** city for each geographic area

**date1=2016%2D02%2D01&date2=2016%2D02%2D29 :** date range for trulia function

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| Pop: Get population data by race per area  Use: /pop/place/state/type  Place: FIPS code  State: FIPS code Type: ‘state’, ‘place’, ‘county’ | Education: Get population data by income per area  Use: /education/place/state/type  Place: FIPS code  State: FIPS code  Type: ‘state’, ‘place’, ‘county’ |
| Pop2009: Get population data by race per area in 2009  Use: /pop2009/place/state/type  Place: FIPS code  State: FIPS code  Type: ‘state’, ‘place’, ‘county’ | Housingindex: Get housing index data by state  Use: /housingindex/stateabbr  Stateabbr: two letter state abbreviation |
| Malefemale: Get gender population data by age per area  Use: /malefemale/place/state/type  Place: FIPS code  State: FIPS code  Type: ‘state’, ‘place’, ‘county’ | Trulia: Home pricing information per area  Use: /trulia/areaname/stateabbr/date1/date2  Areaname: city name, E.g Cary, Dallas,  Stateabbr: two letter state abbreviation  Date1: beginning date in range  Date2: ending date in range |
| Marital: Get population data by marital status per area  Use: /marital/place/state/type  Place: FIPS code  State: FIPS code  Type: ‘state’, ‘place’, ‘county’ | Greatschools: Get population data by income per area  Use: /greatschools/areaname/stateabbr/levelcode  Areaname: city name, E.g Cary, Dallas,  Stateabbr: two letter state abbreviation  Levelcode: ‘high-schools’, ‘middle-schools’, ‘elementary-schools’ |
| Income: Get population data by income per area  Use: /income/place/state/type  Place: FIPS code  State: FIPS code  Type: ‘state’, ‘place’, ‘county’ | Employment: Get unemployment data for two states  Use: /employment/fips1/fips2  Fips1: State FIPS code  Fips2: Second state FIPS code |