**Contact**

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**Data Sources**

ACS

**Year**

2013-2017

**Geographies**

All states & counties, Tract-level

**Datasets**

Original dataset: ACS 17 Table C16002 ([.dct file](https://drive.google.com/open?id=1CX_tCNNuw_MVLJQGaMSm-BEBSHX7R21B) and [.txt file](https://drive.google.com/open?id=1HqPRCWVTPBEbMml1kuQNkJJsOrJr0qbq))

* Taken from Social Explorer, contains all Census Tracts at the national level
* Contains # of households within each language category

New dataset: [Total Linguistic Isolation by Census Tract](https://drive.google.com/open?id=1ioIwZwRIHyRv2AW3NZeO4uMprz2O9Jdd)

* Contains FIPS information
* Contains all household language data
  + Also contains manipulated variables with important data (total households and limited english households)
* Contains created variables of # of isolated households (isolated\_hh) and proportion of isolated households by tract (prop\_isolated\_hh)

**Processing**

In one .do file ([total\_linguistic\_isolation.do](https://drive.google.com/open?id=10WnzKv8ympk2MJyxKas5ZgvIw9c_2Pfd)), import the ACS data according to instructions provided by Social Explorer and prepare for filtering. Drop empty variables to free computing space.

Rename important variables to appropriate names.

Filter for opportunity zones within the SPARCC regions of interest, using the codes found [here](https://docs.google.com/spreadsheets/d/1EPMmDpznvdPpq8RhdEeredvQgKr88wcSxBCRvXcVUvo/edit#gid=0).

Generate the total # of isolated households by tract by adding variables (isolated\_hh): C16002004/lim\_english\_spanish\_hh, C16002007/lim\_english\_indoeuro\_hh, C16002010/lim\_english\_api\_hh, C16002013/lim\_english\_other\_hh

Generate the proportion of household linguistic isolation by tract (prop\_isolated\_hh):

Isolated\_hh / total\_hh

UPDATE: Generate proportion of Spanish-only household linguistic isolation.

**Variable Description**

[Used variables in final dataset]

FIPS FIPS Code (2010)

NAME Name of Census Tract, County, and State

STUSAB State/US Abbreviation (USPS)

STATE State FIPS Code (2010)

COUNTY County FIPS Code (2010)

TRACT Census Tract FIPS Code (2010)

total\_hh Total # of household in tract

lim\_english\_spanish\_hh Households: Spanish: Limited English Speaking Household

lim\_english\_indoeuro\_hh Households: Other Indo-European Languages: Limited English Speaking Household

lim\_english\_api\_hh Households: Asian and Pacific Island Languages: Limited English Speaking Household

lim\_english\_other\_hh Households: Other Languages: Limited English Speaking Household  
isolated\_hh Total # of isolated households in tract

prop\_isolated\_hh Proportion of isolated households compared to total households in tract

prop\_isolated\_hh\_spanish Proportion of isolated Spanish-only households compared to total households in tract

**Additional Notes**

Initial first attempt was started by state, only created dataset for Atlanta. Determined it would be quicker to do all at once - then split if necessary.