

Data from Census Tables

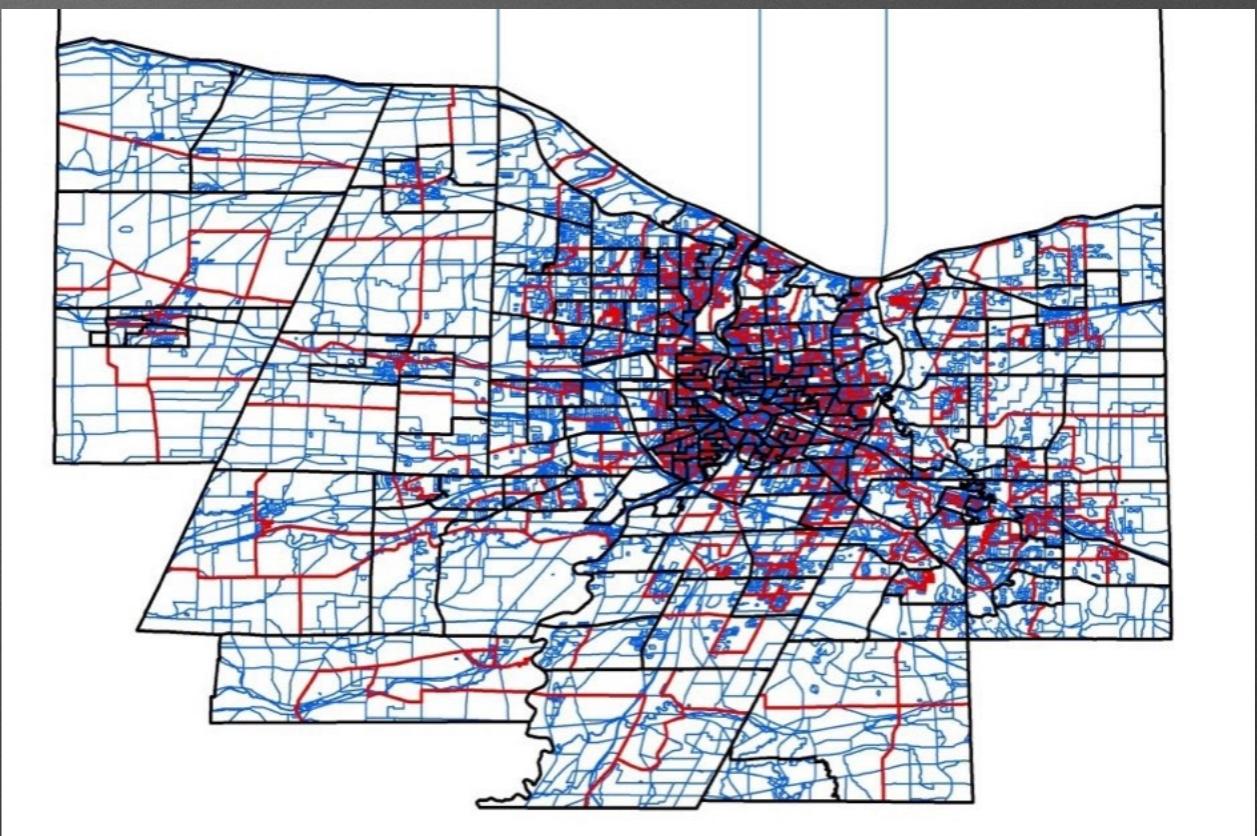
Geocoding

Introduction to Census Data

- The Census is taken every 10 Years and is a requirement of the Federal Government
- The data determines a lot of important decisions such as;
 - Aid
 - Representation
 - Potential taxes (School Districts)
- The data is provided in many different sizes

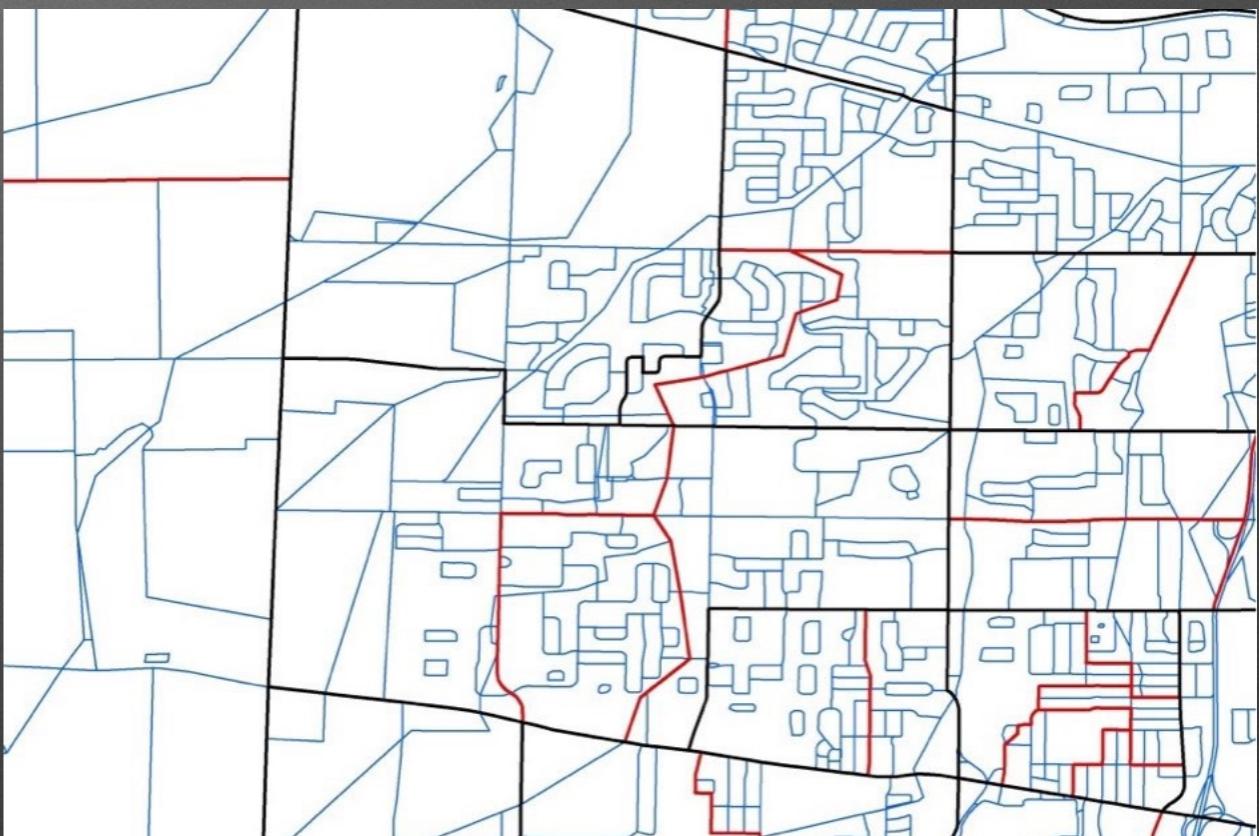
Census Data

- Spatial (In Descending Size Order)
 - State
 - Division (County)
 - Town
 - Place
 - Tract
 - Block Group
 - Block
- Blocks make up all of the information from each larger area
- Tabular



Census Data

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Geographic Size Matters

- Some Analysis need very detailed data (blocks) for small edits
 - Voting Districts
- Block Groups are for slightly larger
- Census Tracts are widely used for analysis due to their size and easy to report the data
- Most grant projects report using the census tracts
- The census data does not go to individual house level due to privacy concerns

Census.gov



Search

BROWSE BY TOPIC

EXPLORE DATA

LIBRARY

SURVEYS/ PROGRAMS

INFORMATION FOR...

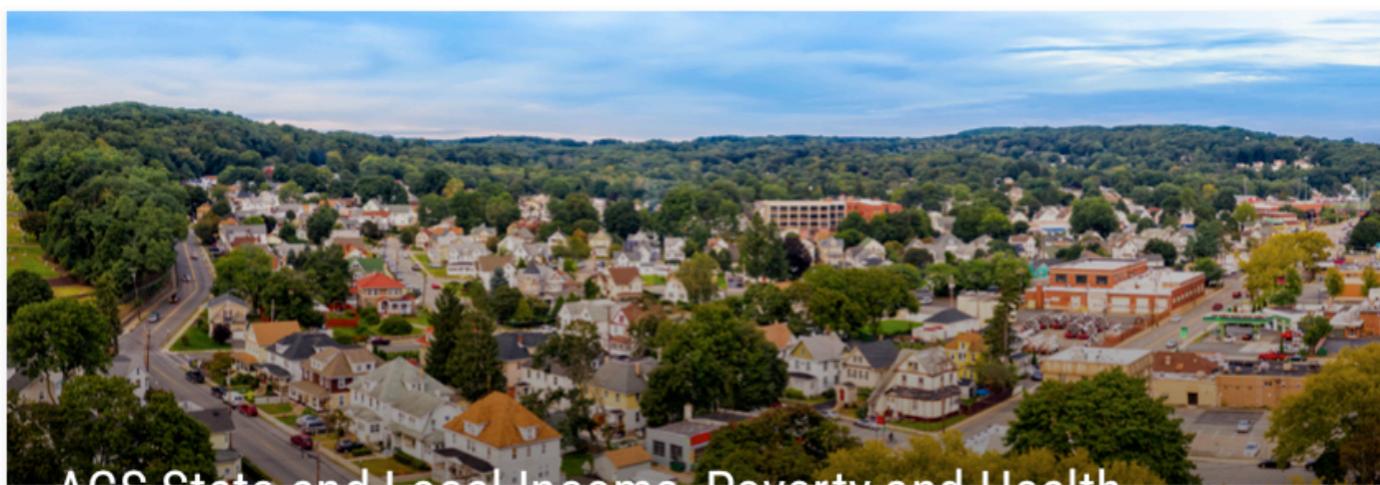
FIND A CODE

ABOUT US

Time to Respond is Running Out! Complete the 2020 Census Now.

The 2020 Census is Happening Now. Respond Today.

Respond >



ACG State and Local Issues: Poverty and Health



U.S. CENSUS BUREAU ECONOMIC INDICATORS

New Residential Construction

1,416,000

Is this page helpful? X

Like Yes Dislike No

Geographic Data

- The easiest way to find the geographic data is to browse by topic the geography



Geographic Data

- The easiest way to find the geographic data is to browse by topic the geography
- The geography program has lots of data
- If you just want the line work shapefiles you can click that

United States Census Bureau

Search

BROWSE BY TOPIC EXPLORE DATA LIBRARY SURVEYS/ PROGRAMS INFORMATION FOR... FIND A CODE ABOUT US

// Census.gov > Our Surveys & Programs > Geography Program

GEOGRAPHY PROGRAM About this Program Data Geographies Guidance for Geography Users Library Technical Documentation Updates Contact Us Back to Our Surveys & Programs

Geography Program

Geography is central to the work of the Census Bureau, providing the framework for survey design, sample selection, data collection, tabulation, and dissemination. Geography provides meaning and context to statistical data.

Read More

About Interactive Maps Geographies



Mapping Files

MAPPING FILE **TIGER/Line Shapefiles**
View all the available mapping files from the Geography program.

MAPPING FILE **Cartographic Boundary Files**
View the newest available cartographic boundary files in shapefiles, geodatabase, and KML formats.

MAPPING FILE

Sep 21, 2020 15:51 UTC (+4)

United States World

U.S. Population
330,329,410

COMPONENTS OF POPULATION CHANGE

One birth every 8 seconds

One death every 12 seconds

One international migrant (net) every 46 seconds

Is th

Geographic Data

- The easiest way to find the geographic data is to browse by topic the geography
- The geography program has lots of data
- If you just want the line work shapefiles you can click that
- If you click view all mapping files you will find a great dataset - TIGER/line Geodatabase with Select Demographic Data

Mapping Files

MAPPING FILE

TIGER/Line Shapefiles

View all the available mapping files from the Geography program.

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Cartographic Boundary Files

View the newest available cartographic boundary files in shapefiles, geodatabase, and KML formats.

MAPPING FILE

TIGER/Line Geodatabases

View the available TIGER/Line geodatabases from the Geography program.

[VIEW ALL MAPPING FILES](#)

Geographic Data

- The easiest way to find the geographic data is to browse by topic the geography
- The geography program has lots of data
- If you just want the line work shapefiles you can click that
- If you click view all mapping files you will find a great dataset - TIGER/line Geodatabase with Select Demographic and Economic Data
- This has the same line work but with a lot of the data tables ~60,000 attributes and is easy to use.

MAPPING FILE

TIGER/Line with Selected Demographic and Economic Data

View the available TIGER/Line geodatabases with Selected Demographic and Economic Data from the Geography program.

TIGER/line Geodatabase with Select Demographic and Economic Data

TIGER/Line with Selected Demographic and Economic Data

A limited set of TIGER/Line Shapefiles are available pre-joined with data in geodatabase and shapefile format.

American Community Survey 5-Year Estimates – Geodatabase Format

2018 2017 2016 2015 2014 2013 2012 2011 MORE ▾

2018

2014 - 2018 Detailed Tables

These geodatabases bring together geography from the 2018 TIGER/Line Shapefiles and data from the 2014-2018 American Community Survey (ACS) 5-year estimates.

 Download these files from the FTP archive

Download Legal and Administrative Areas Geodatabases

-  American Indian/Alaska Native/Native Hawaiian Area [59 MB]
-  Alaska Native Regional Corporation [4.2 MB]
-  Congressional District (116th Congress) [139 MB]
-  County [705 MB]
-  Place [3.1 GB]

Block Group

Select a State

Census Tract

New York NY
New York NY

Nebraska

Nevada

New Hampshire

New Jersey

New Mexico

New York

North Carolina

North Dakota

TIGER/line Geodatabase with Select Demographic and Economic Data

- The Census Geodatabase has a ton of data
- When you preview it using catalog you will see a single feature class and then a lot of tables
- Each table is organized by theme
- Previewing each table will show the data

Name	Type
ACS_2018_5YR_TRACT_36_NEW_YORK	File Geodatabase Feature Class
TRACT_METADATA_2018	File Geodatabase Table
X00_COUNTS	File Geodatabase Table
X01 AGE AND SEX	File Geodatabase Table
X02 RACE	File Geodatabase Table
X03 HISPANIC OR LATINO ORIGIN	File Geodatabase Table
X04 ANCESTRY	File Geodatabase Table
X05 FOREIGN_BORN_CITIZENSHIP	File Geodatabase Table
X06 PLACE_OF_BIRTH	File Geodatabase Table
X07 MIGRATION	File Geodatabase Table
X08 COMMUTING	File Geodatabase Table
X09 CHILDREN_HOUSEHOLD_RELATIONSHIP	File Geodatabase Table
X10 GRANDPARENTS_GRANDCHILDREN	File Geodatabase Table
X11 HOUSEHOLD_FAMILY_SUBFAMILIES	File Geodatabase Table
X12 MARITAL_STATUS_AND_HISTORY	File Geodatabase Table
X13 FERTILITY	File Geodatabase Table
X14 SCHOOL_ENROLLMENT	File Geodatabase Table
X15 EDUCATIONAL_ATTAIMENT	File Geodatabase Table
X16 LANGUAGE_SPOKEN_AT_HOME	File Geodatabase Table
X17 POVERTY	File Geodatabase Table
X18 DISABILITY	File Geodatabase Table
X19 INCOME	File Geodatabase Table
X20 EARNINGS	File Geodatabase Table

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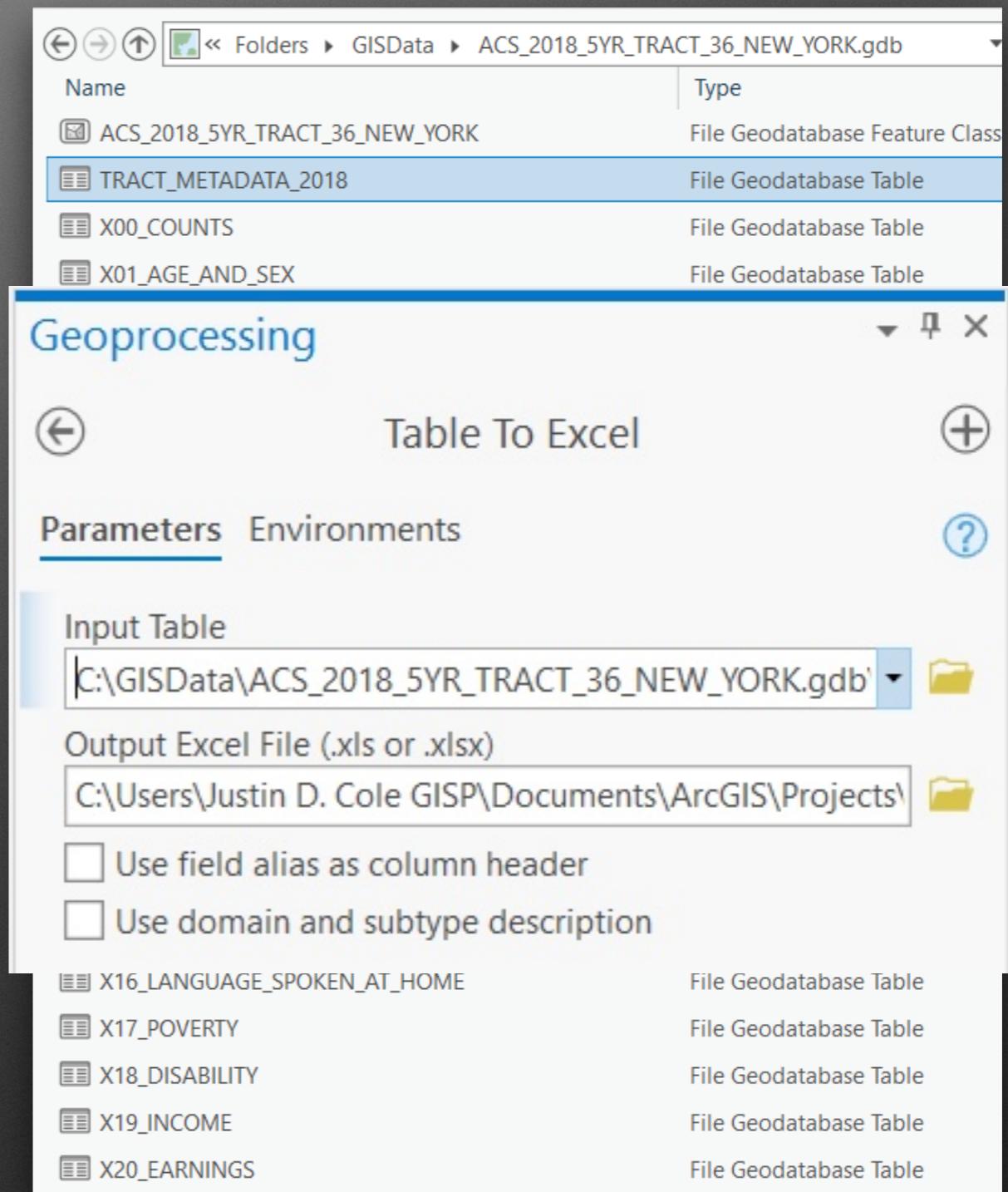
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OBJECTID *	Short_Name	Full_Name
94368	B00001e1	UNWEIGHTED SAMPL...
94369	B00001m1	UNWEIGHTED SAMPL...
94370	B00002e1	UNWEIGHTED SAMPL...
94371	B00002m1	UNWEIGHTED SAMPL...
94372	B01001e1	SEX BY AGE: Total: Tot...
94373	B01001m1	SEX BY AGE: Total: Tot...
94374	B01001e2	SEX BY AGE: Male: Tot...
94375	B01001m2	SEX BY AGE: Male: Tot...
94376	B01001e3	SEX BY AGE: Male: Un...
94377	B01001m3	SEX BY AGE: Male: Un...
94378	B01001e4	SEX BY AGE: Male: 5 to...
94379	B01001m4	SEX BY AGE: Male: 5 to...
94380	B01001e5	SEX BY AGE: Male: 10 t...
94381	B01001m5	SEX BY AGE: Male: 10 t...
94382	B01001e6	SEX BY AGE: Male: 15 t...
94383	B01001m6	SEX BY AGE: Male: 15 t...
94384	B01001e7	SEX BY AGE: Male: 18...
94385	B01001m7	SEX BY AGE: Male: 18...
94386	B01001e8	SEX BY AGE: Male: 20...
94387	B01001m8	SEX BY AGE: Male: 20...
94388	B01001e9	SEX BY AGE: Male: 21...
94389	B01001m9	SEX BY AGE: Male: 21...
94390	B01001e10	SEX BY AGE: Male: 22 t...

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Folders <> GISData > ACS_2018_5YR_TRACT_36_NEW_YORK.gdb

Search Project

Name	Type	Date	Metadata	Geography	Table
X10_GRANDPARENTS_GRANDCHILDREN	File Geodatabase Table				
X11_HOUSEHOLD_FAMILY_SUBFAMILIES	File Geodatabase Table				
X12_MARITAL_STATUS_AND_HISTORY	File Geodatabase Table				
X13_FERTILITY	File Geodatabase Table				
X14_SCHOOL_ENROLLMENT	File Geodatabase Table				
X15_EDUCATIONAL_ATTAIMENT	File Geodatabase Table				
X16_LANGUAGE_SPOKEN_AT_HOME	File Geodatabase Table				
X17_POVERTY	File Geodatabase Table				
X18_DISABILITY	File Geodatabase Table				
X19_INCOME	File Geodatabase Table				
X20_EARNINGS	File Geodatabase Table				
X21_VETERAN_STATUS	File Geodatabase Table				
X22_FOOD_STAMPS	File Geodatabase Table				
X23_EMPLOYMENT_STATUS	File Geodatabase Table				
X24_INDUSTRY_OCCUPATION	File Geodatabase Table				
X25_HOUSING_CHARACTERISTICS	File Geodatabase Table				
X26_GROUP_QUARTERS	File Geodatabase Table				
X27_HEALTH_INSURANCE	File Geodatabase Table				
X28_COMPUTER_AND_INTERNET_USE	File Geodatabase Table				
X29_VOTING AGE_POPULATION	File Geodatabase Table				
X98_UNWEIGHTED_HOUSING_UNIT_SAMPLE	File Geodatabase Table				
X99_IMPUTATION	File Geodatabase Table				

OBJECTID * Short_Name Full_Name

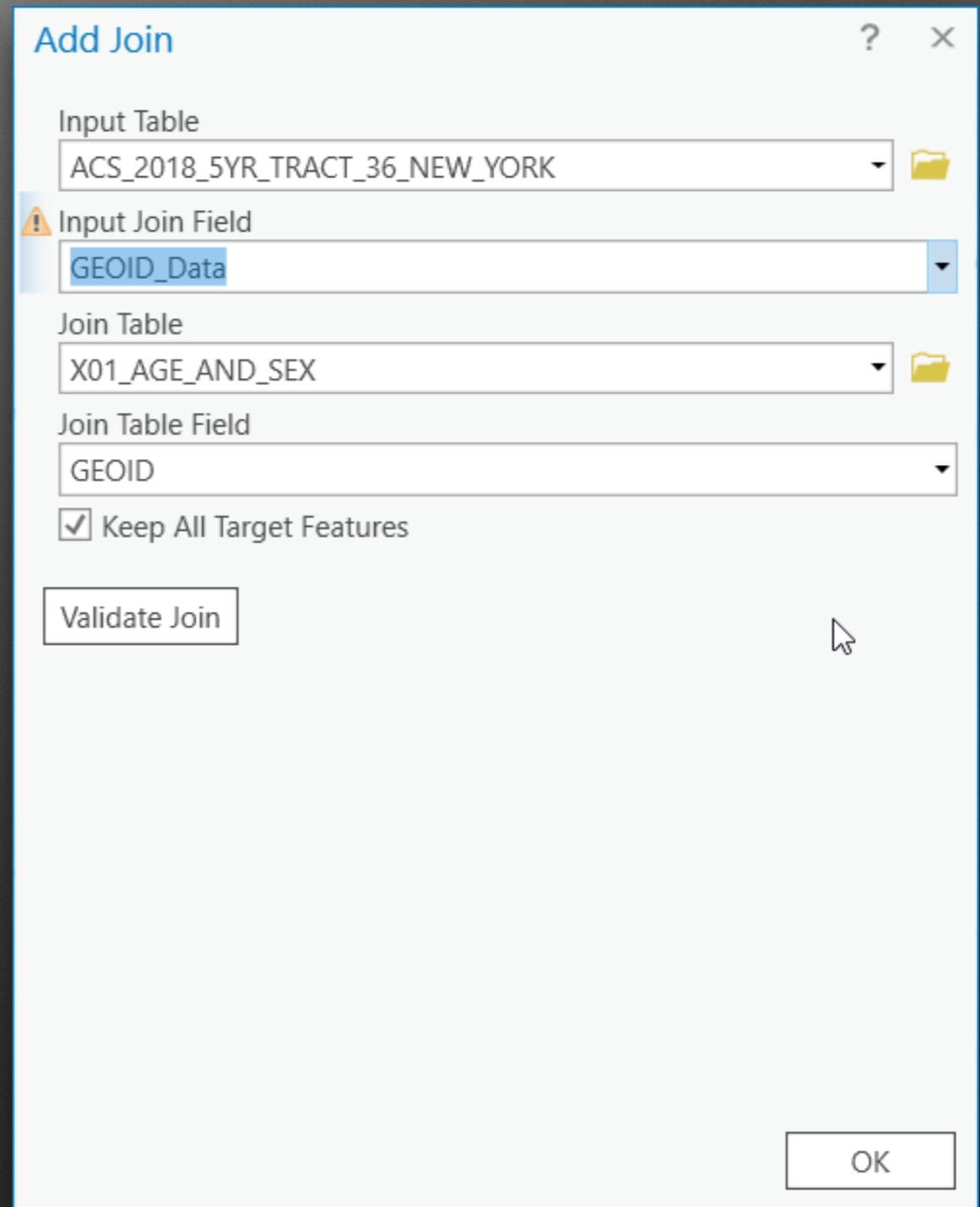
142476 B26109e15 GROUP QUARTERS TY...
142477 B26109m15 GROUP QUARTERS TY...
142478 B26109e16 GROUP QUARTERS TY...
142479 B26109m16 GROUP QUARTERS TY...
142480 B26109e17 GROUP QUARTERS TY...
142481 B26109m17 GROUP QUARTERS TY...
142482 B26109e18 GROUP QUARTERS TY...
142483 B26109m18 GROUP QUARTERS TY...
142484 B26109e19 GROUP QUARTERS TY...
142485 B26109m19 GROUP QUARTERS TY...
142486 B26109e20 GROUP QUARTERS TY...
142487 B26109m20 GROUP QUARTERS TY...
142488 B26109e21 GROUP QUARTERS TY...
142489 B26109m21 GROUP QUARTERS TY...
142490 B26109e22 GROUP QUARTERS TY...
142491 B26109m22 GROUP QUARTERS TY...
142492 B26109e23 GROUP QUARTERS TY...
142493 B26109m23 GROUP QUARTERS TY...
142494 B26109e24 GROUP QUARTERS TY...
142495 B26109m24 GROUP QUARTERS TY...
142496 B26109e25 GROUP QUARTERS TY...
142497 B26109m25 GROUP QUARTERS TY...
142498 B26109e26 GROUP QUARTERS TY...

0 of 53,992 selected - 100%

Tip - When Looking at the Metadata the 2 Digits after B is the same as the 2 digits after the X in the table name

TIGER/line Geodatabase with Select Demographic and Economic Data

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American Fact Finder



The image shows the homepage of the American FactFinder website. At the top left is the United States Census Bureau logo. To its right is the title "AMERICAN FactFinder" with a magnifying glass icon over the letter "F". Below the title is a map of the central US with the state of Kansas highlighted. A navigation bar at the top includes links for "MAIN", "COMMUNITY FACTS", "GUIDED SEARCH", "ADVANCED SEARCH", "DOWNLOAD CENTER", "Feedback", "FAQs", "Glossary", "Help", "English", and "Español". The main content area features a large graphic of a computer monitor and laptop displaying maps and charts. To the right of this graphic is a text block stating that starting in July, data.census.gov will be the primary way to access Census Bureau data, and that American FactFinder (AFF) will remain as an "archive" system until spring 2020. Below this is a section titled "Community Facts" with a search bar and dropdown menu. To the right of the search area is a photograph of a smiling family. Further down the page are links for "Guided Search", "Advanced Search", and "Download Center".

United States Census Bureau

AMERICAN FactFinder KANSAS

MISSOURI VIRGINIA
KENTUCKY NORTH

Feedback FAQs Glossary Help

English Español

MAIN COMMUNITY FACTS GUIDED SEARCH ADVANCED SEARCH DOWNLOAD CENTER

Starting in July, [data.census.gov](#) will be the primary way to access Census Bureau data, including upcoming releases from the 2018 American Community Survey, 2017 Economic Census, 2020 Census and more. After July 1, 2019, all new data (previously released on American FactFinder) will be released on this new data platform.

American FactFinder (AFF) will remain as an "archive" system for accessing historical data until spring 2020.

▼ **Community Facts**

Find popular facts (population, income, etc.) and frequently requested data about your community.

Enter a state, county, city, town, or zip code:

e.g., Atlanta, GA

► **Guided Search**

► **Advanced Search**

► **Download Center**



Popular Tables

Population and Housing Poverty and Income

American FactFinder

- Explore Data ->
Explore Data Main

The screenshot shows the homepage of the American FactFinder website. At the top, there is a dark blue header bar with the United States Census Bureau logo on the left, a search bar with a magnifying glass icon and the word "Search" on the right, and three menu items: "BROWSE BY TOPIC", "EXPLORE DATA" (which is highlighted with a dotted border), and "LIBRARIES" on the far right. Below the header, the main content area has a white background. It features several links: "Explore Data Main" (with a cursor icon pointing at it), "Census Academy", "Combining Data", "Data Tools and Apps", and "Developers" on the left side; and "Related Sites", "Software", "Tables", "Training and Workshops", and "Visualizations" on the right side. A decorative banner with a cityscape image is visible at the bottom.

United States™
Census
Bureau

BROWSE BY TOPIC

EXPLORE DATA

LIBRARIES

[Explore Data Main](#)

[Census Academy](#)

[Combining Data](#)

[Data Tools and Apps](#)

[Developers](#)

Related Sites

Software

Tables

Training and Workshops

Visualizations

American FactFinder

- Explore Data -> Explore Data Main
- American Fact Finder

The screenshot shows the American FactFinder website's Data page. At the top, there is a navigation bar with the United States Census Bureau logo, a search bar, and links for Browse by Topic, Explore Data, Library, Surveys/Programs, and Info. Below the navigation bar, the URL // Census.gov > Data is displayed. The main content area has a large blue header "Data". To the left of the main content, there is a sidebar with links: Census Academy, Combining Data, Data Tools and Apps, Developers, Infographics & Visualizations, Related Sites, Software, Tables, and Training & Workshops. At the bottom of the sidebar, there is a link "< Back to Census.gov". To the right of the sidebar, there is a large text block: "Access data through products and tools including data visualization, mobile apps, interactive web apps and other software." Below this text is a screenshot of the American FactFinder interface, which includes a search bar, a "Quick Start" section with a search input field, and a sidebar with categories like "Topics", "Geographies", and "Industry Codes". To the right of the main content area, there are three smaller sections: "American Fact Finder" (with a screenshot of a computer monitor displaying a map and charts), "What is data.census.gov?" (with a screenshot of a smartphone and a laptop), and "QuickFacts" (with a screenshot of a map of the United States and the text "GET QUICK ACCESS TO FACTS. Learn more").

American FactFinder

- Data -> American FactFinder
- Advanced Search – Show Me All
- Geographies
 - Census Tract
 - New York State
 - Monroe
 - All Census Tracts within
- Add To Your Selections

Geographies
(states, counties, places, ...)

1 Enter search terms and an optional geography and click GO

Select Geographies

List Name Address Map

Select geographies to add to Your Selections ?

Select from: most requested geographic types all geographic types

Select a geographic type:
..... Census Tract - 140

Select a state:
New York

Select a county:
Monroe

Select one or more geographic areas and click Add to Your Selections:

All Census Tracts within Monroe County, New York

Census Tract 0, Monroe County, New York
Census Tract 2, Monroe County, New York
Census Tract 7, Monroe County, New York
Census Tract 10, Monroe County, New York
Census Tract 13, Monroe County, New York
Census Tract 15, Monroe County, New York
Census Tract 18, Monroe County, New York
Census Tract 19, Monroe County, New York
Census Tract 20, Monroe County, New York

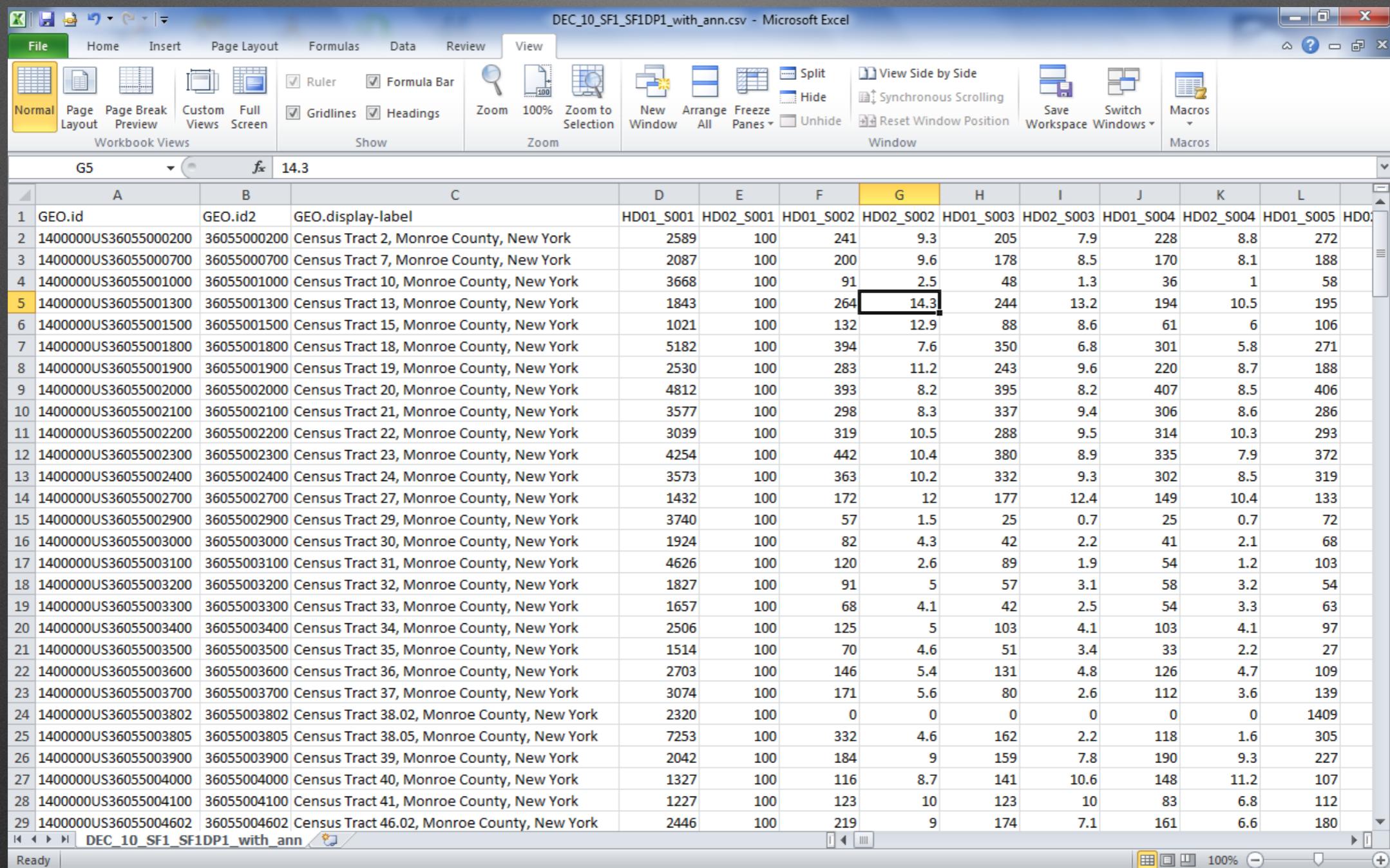
ADD TO YOUR SELECTIONS

Pick Out Your Tables

- I like the 2010 SF1 table DP-1 but you can pick what ever you want
- Use the check box and click download
- Download and then extract to your GIS folder
- Close out of the web browser

ID	Table, File or Document Title
<input type="checkbox"/>	DP-1 Profile of General Population and Housing Characteristics: 2010
<input type="checkbox"/>	QT-H1 General Housing Characteristics: 2010
<input type="checkbox"/>	QT-H2 Tenure, Household Size, and Age of Householder: 2010
<input type="checkbox"/>	QT-H3 Household Population and Household Type by Tenure: 2010
<input type="checkbox"/>	QT-P1 Age Groups and Sex: 2010
<input type="checkbox"/>	QT-P10 Hispanic or Latino by Type: 2010
<input type="checkbox"/>	QT-P11 Households and Families: 2010
<input type="checkbox"/>	QT-P12 Household Relationship and Group Quarters Population: 2010
<input type="checkbox"/>	QT-P13 Group Quarters Population by Sex, Age, and Type of Group Quarters: 2010
<input type="checkbox"/>	QT-P2 Single Years of Age and Sex: 2010
<input type="checkbox"/>	QT-P3 Race and Hispanic or Latino Origin: 2010
<input type="checkbox"/>	QT-P4 Racial and Ethnic Group Quarters Population: 2010

Open Your Table in Excel



A screenshot of Microsoft Excel showing a table of census data. The table has columns labeled A through L. Column A contains GEO.id values, column B contains GEO.id2 values, and column C contains GEO.display-label values. Columns D through L contain various numerical values. Row 5 is highlighted with a yellow background, and cell G5 contains the value 14.3, which is also displayed in the formula bar. The Excel ribbon is visible at the top, and the status bar at the bottom shows "Ready" and "100%".

	A	B	C	D	E	F	G	H	I	J	K	L
1	GEO.id	GEO.id2	GEO.display-label	HD01_S001	HD02_S001	HD01_S002	HD02_S002	HD01_S003	HD02_S003	HD01_S004	HD02_S004	HD01_S005
2	1400000US3605500200	3605500200	Census Tract 2, Monroe County, New York	2589	100	241	9.3	205	7.9	228	8.8	272
3	1400000US3605500700	3605500700	Census Tract 7, Monroe County, New York	2087	100	200	9.6	178	8.5	170	8.1	188
4	1400000US36055001000	36055001000	Census Tract 10, Monroe County, New York	3668	100	91	2.5	48	1.3	36	1	58
5	1400000US36055001300	36055001300	Census Tract 13, Monroe County, New York	1843	100	264	14.3	244	13.2	194	10.5	195
6	1400000US36055001500	36055001500	Census Tract 15, Monroe County, New York	1021	100	132	12.9	88	8.6	61	6	106
7	1400000US36055001800	36055001800	Census Tract 18, Monroe County, New York	5182	100	394	7.6	350	6.8	301	5.8	271
8	1400000US36055001900	36055001900	Census Tract 19, Monroe County, New York	2530	100	283	11.2	243	9.6	220	8.7	188
9	1400000US36055002000	36055002000	Census Tract 20, Monroe County, New York	4812	100	393	8.2	395	8.2	407	8.5	406
10	1400000US36055002100	36055002100	Census Tract 21, Monroe County, New York	3577	100	298	8.3	337	9.4	306	8.6	286
11	1400000US36055002200	36055002200	Census Tract 22, Monroe County, New York	3039	100	319	10.5	288	9.5	314	10.3	293
12	1400000US36055002300	36055002300	Census Tract 23, Monroe County, New York	4254	100	442	10.4	380	8.9	335	7.9	372
13	1400000US36055002400	36055002400	Census Tract 24, Monroe County, New York	3573	100	363	10.2	332	9.3	302	8.5	319
14	1400000US36055002700	36055002700	Census Tract 27, Monroe County, New York	1432	100	172	12	177	12.4	149	10.4	133
15	1400000US36055002900	36055002900	Census Tract 29, Monroe County, New York	3740	100	57	1.5	25	0.7	25	0.7	72
16	1400000US36055003000	36055003000	Census Tract 30, Monroe County, New York	1924	100	82	4.3	42	2.2	41	2.1	68
17	1400000US36055003100	36055003100	Census Tract 31, Monroe County, New York	4626	100	120	2.6	89	1.9	54	1.2	103
18	1400000US36055003200	36055003200	Census Tract 32, Monroe County, New York	1827	100	91	5	57	3.1	58	3.2	54
19	1400000US36055003300	36055003300	Census Tract 33, Monroe County, New York	1657	100	68	4.1	42	2.5	54	3.3	63
20	1400000US36055003400	36055003400	Census Tract 34, Monroe County, New York	2506	100	125	5	103	4.1	103	4.1	97
21	1400000US36055003500	36055003500	Census Tract 35, Monroe County, New York	1514	100	70	4.6	51	3.4	33	2.2	27
22	1400000US36055003600	36055003600	Census Tract 36, Monroe County, New York	2703	100	146	5.4	131	4.8	126	4.7	109
23	1400000US36055003700	36055003700	Census Tract 37, Monroe County, New York	3074	100	171	5.6	80	2.6	112	3.6	139
24	1400000US36055003802	36055003802	Census Tract 38.02, Monroe County, New York	2320	100	0	0	0	0	0	0	1409
25	1400000US36055003805	36055003805	Census Tract 38.05, Monroe County, New York	7253	100	332	4.6	162	2.2	118	1.6	305
26	1400000US36055003900	36055003900	Census Tract 39, Monroe County, New York	2042	100	184	9	159	7.8	190	9.3	227
27	1400000US36055004000	36055004000	Census Tract 40, Monroe County, New York	1327	100	116	8.7	141	10.6	148	11.2	107
28	1400000US36055004100	36055004100	Census Tract 41, Monroe County, New York	1227	100	123	10	123	10	83	6.8	112
29	1400000US36055004602	36055004602	Census Tract 46.02, Monroe County, New York	2446	100	219	9	174	7.1	161	6.6	180

Open Your Table in Excel

The screenshot shows a Microsoft Excel window titled "DEC_10_SF1_SF1DP1_metadata.csv - Microsoft Excel". The window has a standard ribbon menu with tabs: File, Home, Insert, Page Layout, Formulas, Data, Review, and View. The "View" tab is selected, showing various view-related icons like Ruler, Formula Bar, Gridlines, Headings, Zoom, and Window controls. The main content area displays a table with two columns. Column A contains numerical IDs from 1 to 29, and Column B contains corresponding metadata descriptions. The table starts with "GEO.id" and "Id" in row 1, followed by "GEO.display-label" and "Geography" in row 3. Rows 4 through 29 list various population categories by sex and age.

A	B
1 GEO.id	Id
2 GEO.id2	Id2
3 GEO.display-label	Geography
4 HD01_S001	Number; SEX AND AGE - Total population
5 HD02_S001	Percent; SEX AND AGE - Total population
6 HD01_S002	Number; SEX AND AGE - Total population - Under 5 years
7 HD02_S002	Percent; SEX AND AGE - Total population - Under 5 years
8 HD01_S003	Number; SEX AND AGE - Total population - 5 to 9 years
9 HD02_S003	Percent; SEX AND AGE - Total population - 5 to 9 years
10 HD01_S004	Number; SEX AND AGE - Total population - 10 to 14 years
11 HD02_S004	Percent; SEX AND AGE - Total population - 10 to 14 years
12 HD01_S005	Number; SEX AND AGE - Total population - 15 to 19 years
13 HD02_S005	Percent; SEX AND AGE - Total population - 15 to 19 years
14 HD01_S006	Number; SEX AND AGE - Total population - 20 to 24 years
15 HD02_S006	Percent; SEX AND AGE - Total population - 20 to 24 years
16 HD01_S007	Number; SEX AND AGE - Total population - 25 to 29 years
17 HD02_S007	Percent; SEX AND AGE - Total population - 25 to 29 years
18 HD01_S008	Number; SEX AND AGE - Total population - 30 to 34 years
19 HD02_S008	Percent; SEX AND AGE - Total population - 30 to 34 years
20 HD01_S009	Number; SEX AND AGE - Total population - 35 to 39 years
21 HD02_S009	Percent; SEX AND AGE - Total population - 35 to 39 years
22 HD01_S010	Number; SEX AND AGE - Total population - 40 to 44 years
23 HD02_S010	Percent; SEX AND AGE - Total population - 40 to 44 years
24 HD01_S011	Number; SEX AND AGE - Total population - 45 to 49 years
25 HD02_S011	Percent; SEX AND AGE - Total population - 45 to 49 years
26 HD01_S012	Number; SEX AND AGE - Total population - 50 to 54 years
27 HD02_S012	Percent; SEX AND AGE - Total population - 50 to 54 years
28 HD01_S013	Number; SEX AND AGE - Total population - 55 to 59 years
29 HD02_S013	Percent; SEX AND AGE - Total population - 55 to 59 years

Reformatting the Tables

- Remove the . In Geo.ID, Geo.ID2 and GEO.display-label (esri does not allow for the . In field names)
- Make Sure GeoID2 is a text field
- Rename fields if you choose
 - Names are inside of the metadata csv
 - No spaces
 - Cannot lead with a number
- Save it out as a .xlsx, dbf, or csv file

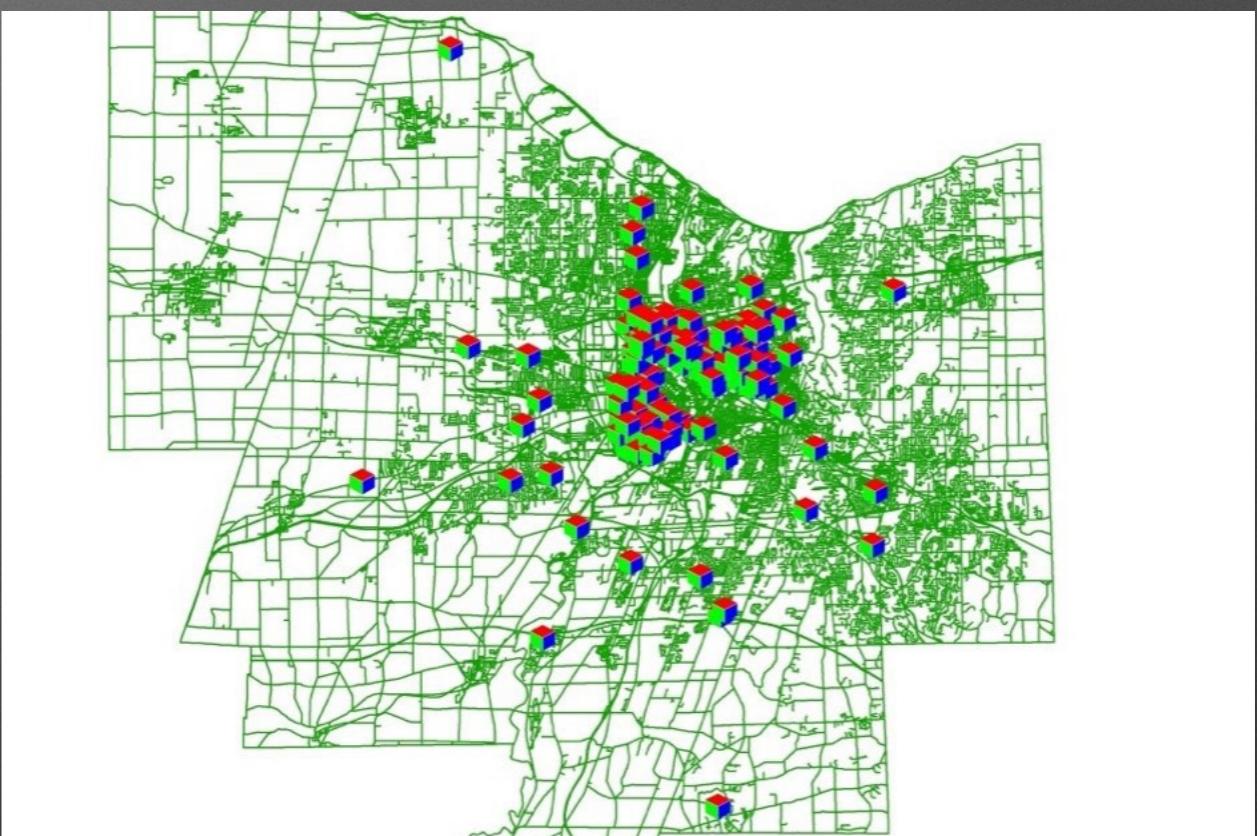
Census Tract Information

- View in ArcGIS Pro
 - Census Tract Info
 - Table from Census Bureau
- Open Attribute Table
- Look for common fields

Hands on Demo with the Census Tracts

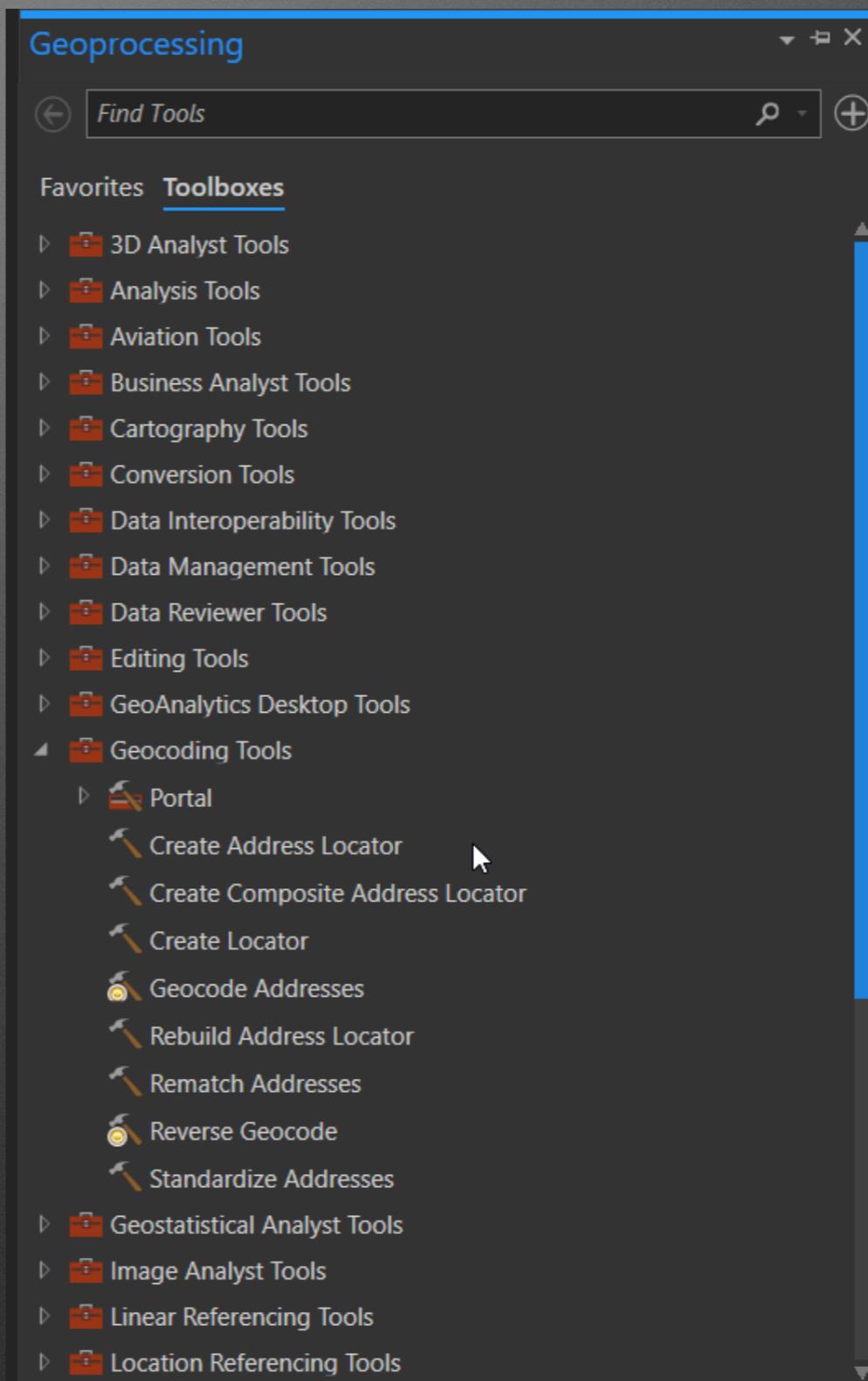
Geocoding

- Geocoding is taking a table of addresses and placing them on the map
- You need 3 things to geocode properly
 - Reference Data
 - Table to Geocode
 - Address Lookup (Index File)
- Our Reference Data is going to be centerlines



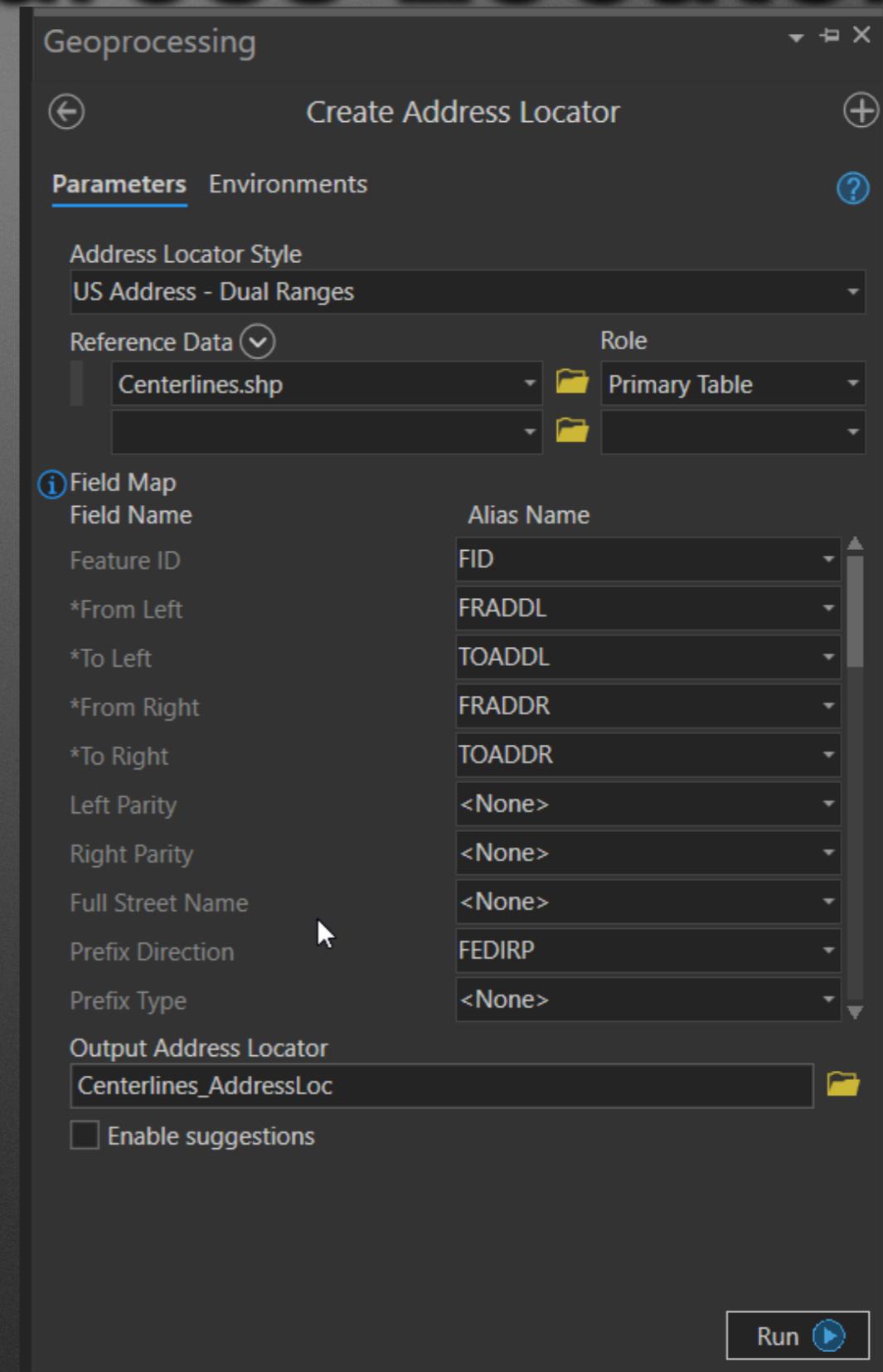
Creating an Address Locator

- In ArcGIS Pro open Geoprocessing
- Search or Browse for Create Address Locator



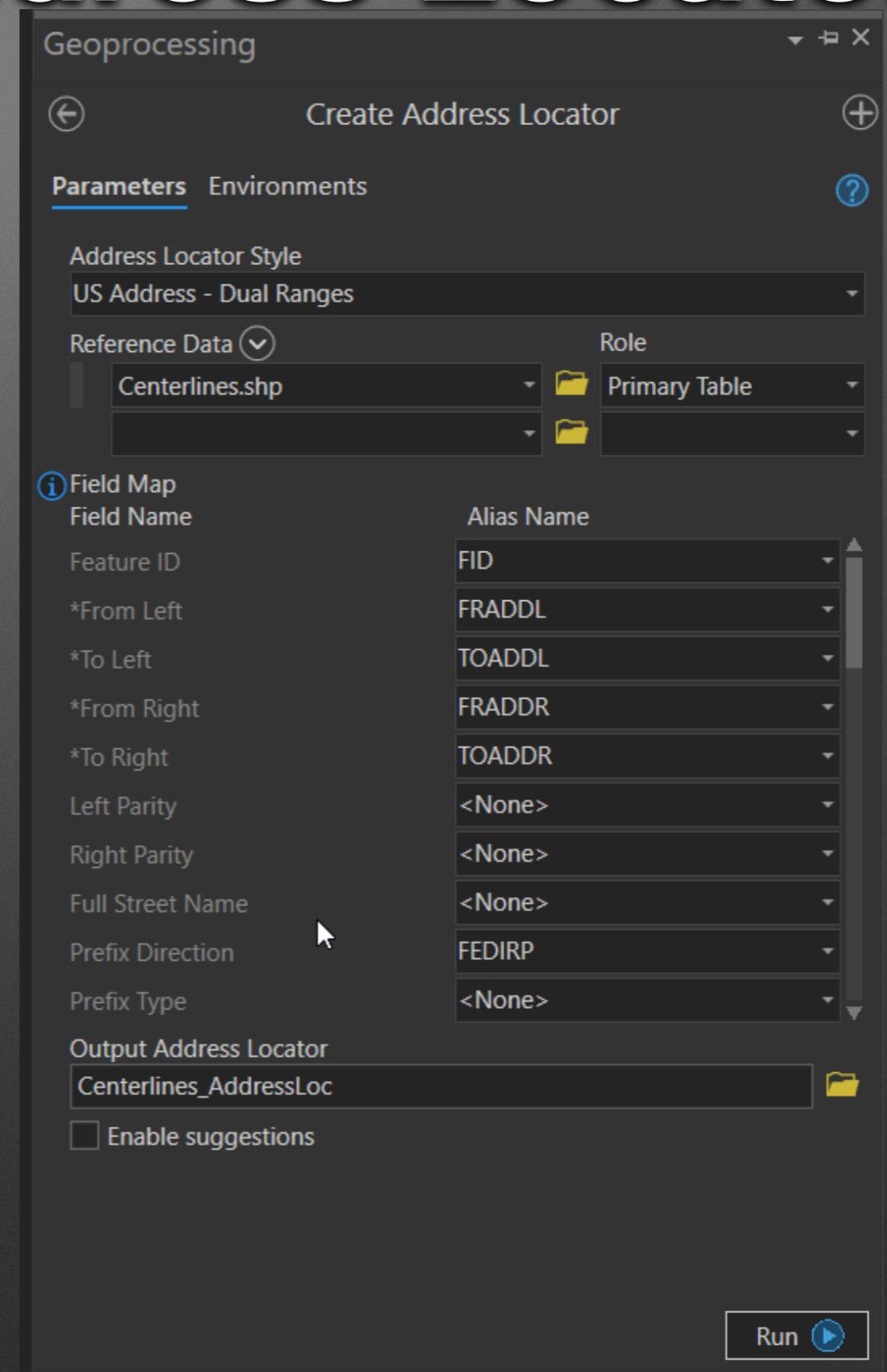
Creating an Address Locator

- This is the dialog where you create your locator



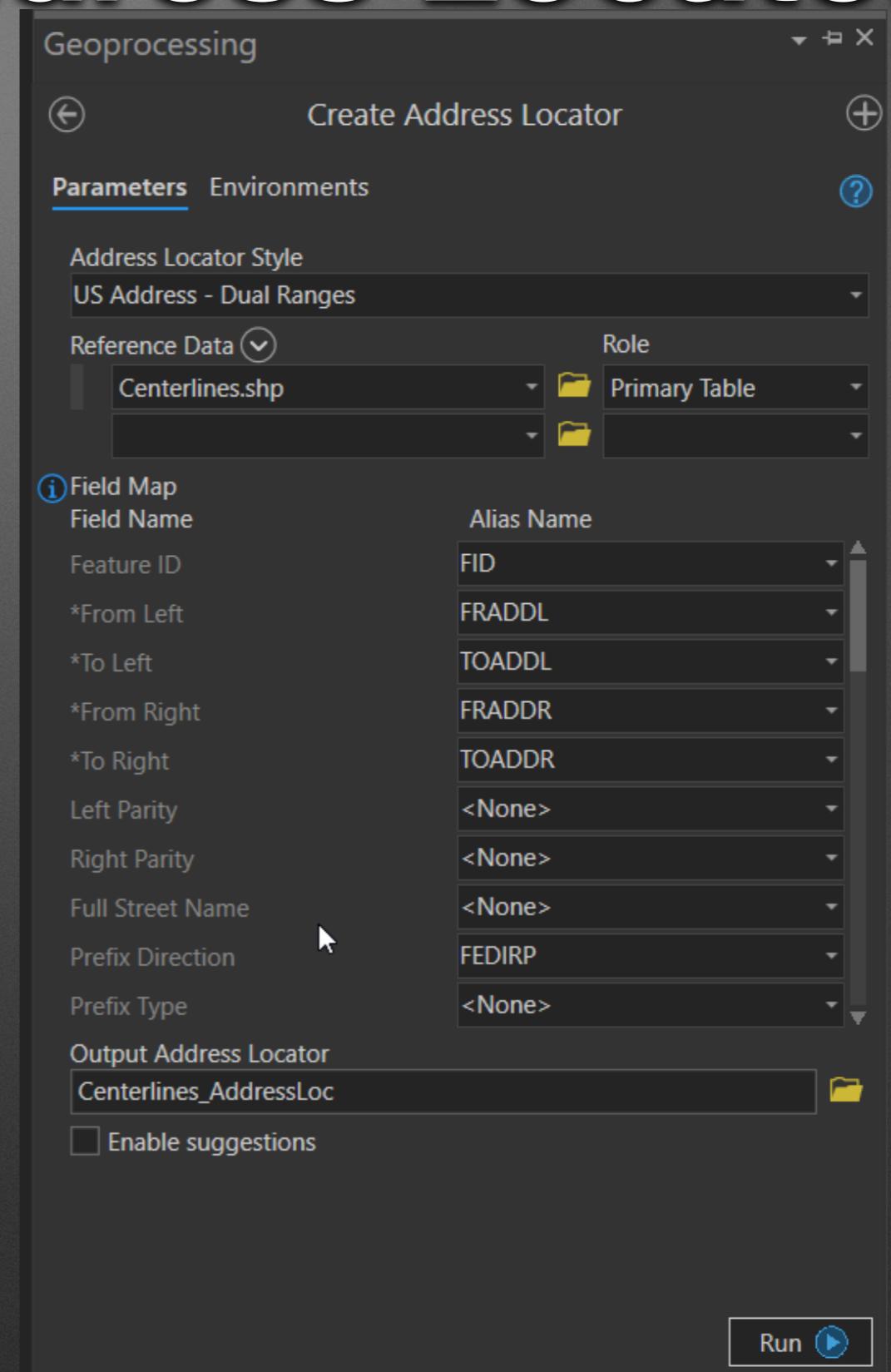
Creating an Address Locator

- This is the dialog where you create your locator
- Brows under Address Locator Style to US Addresses Dual Ranges



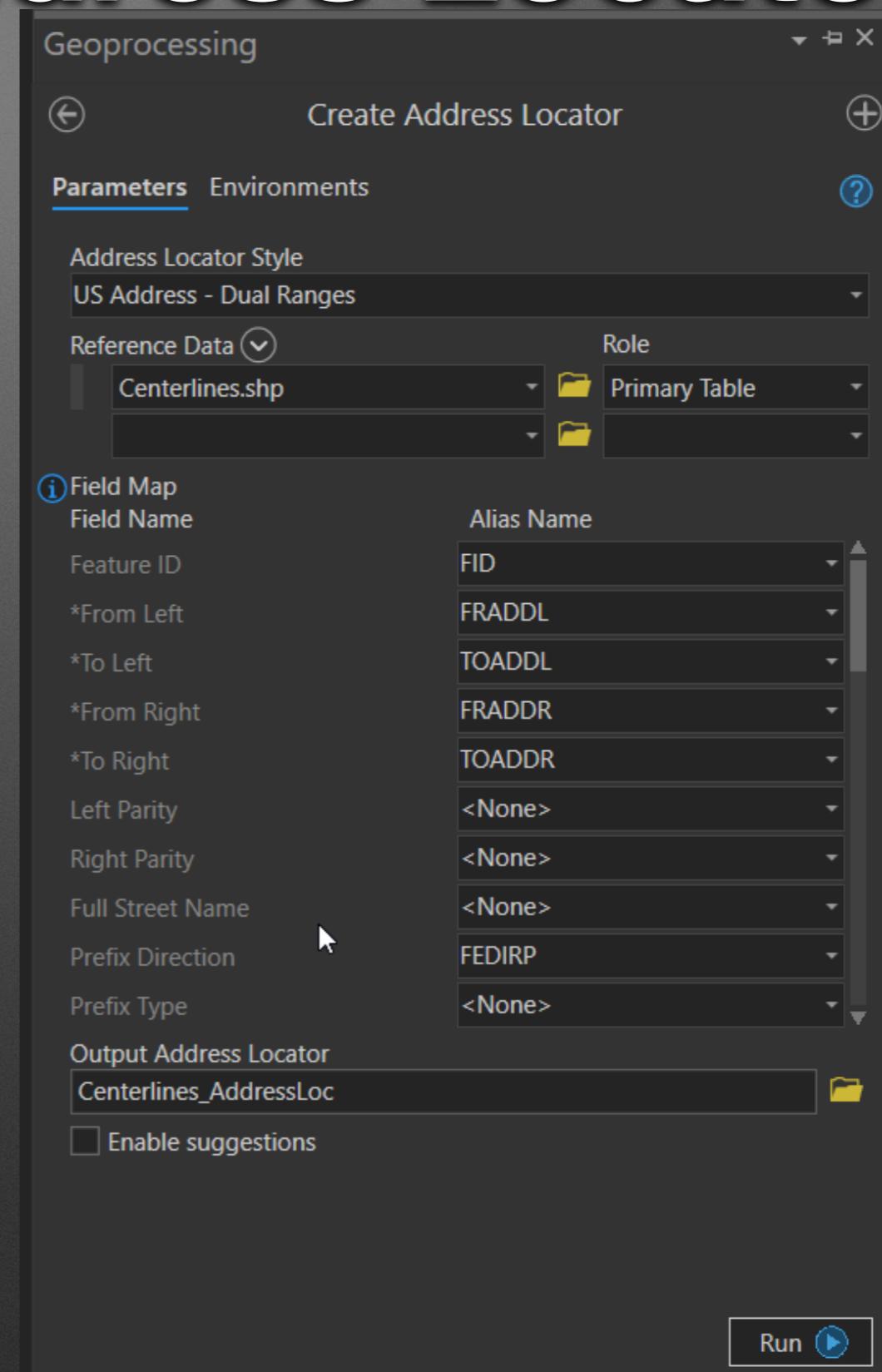
Creating an Address Locator

- This is the dialog where you create your locator
- Brows under Address Locator Style to US Addresses Dual Ranges
- Next your reference data is your centerlines (drop down)



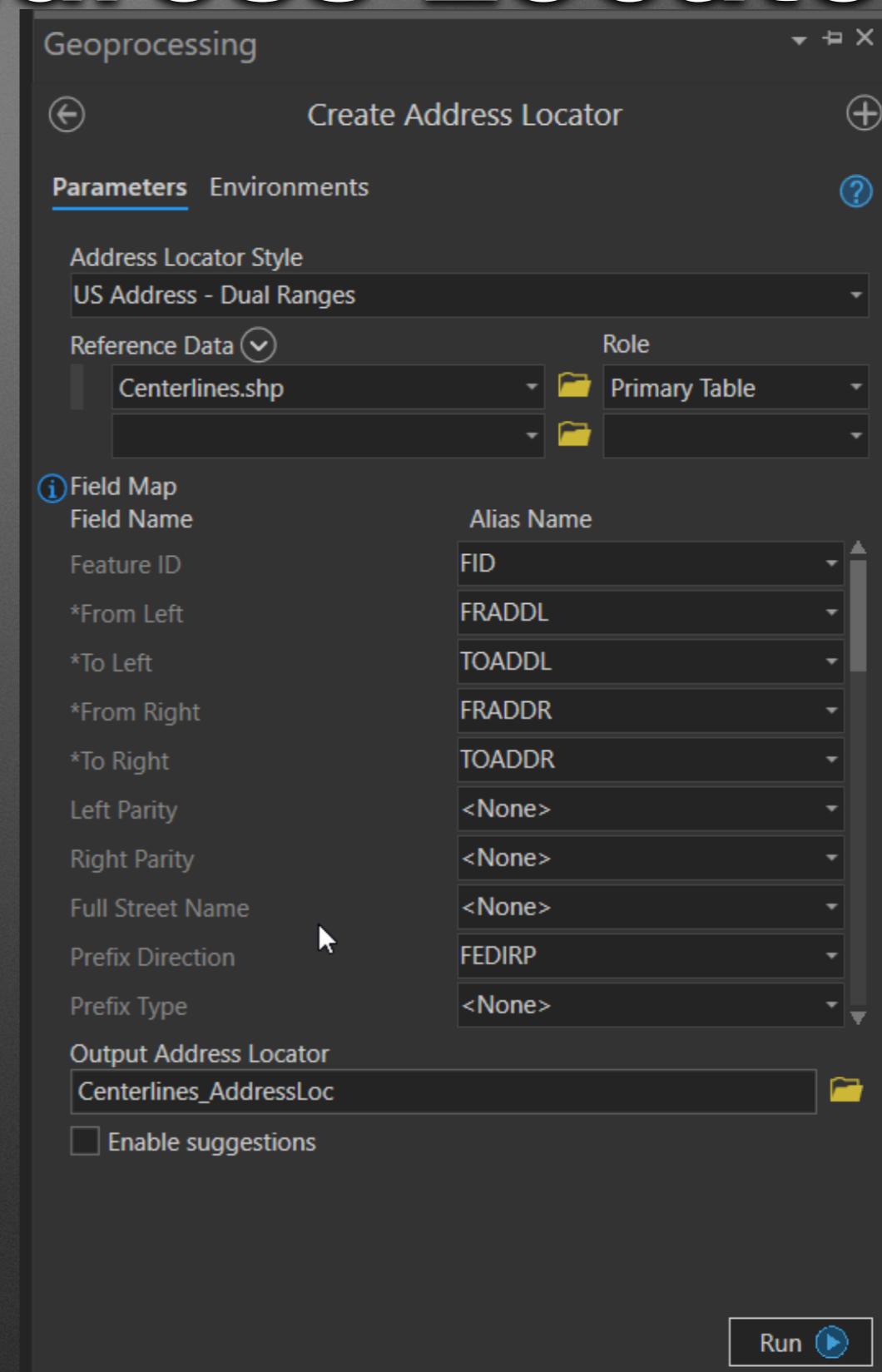
Creating an Address Locator

- It will fill out the table except for Left and Right City
- The alias name for those are MCD_L and MCD_R or Monroe County Designation Left and Right
- Save it to your data folder



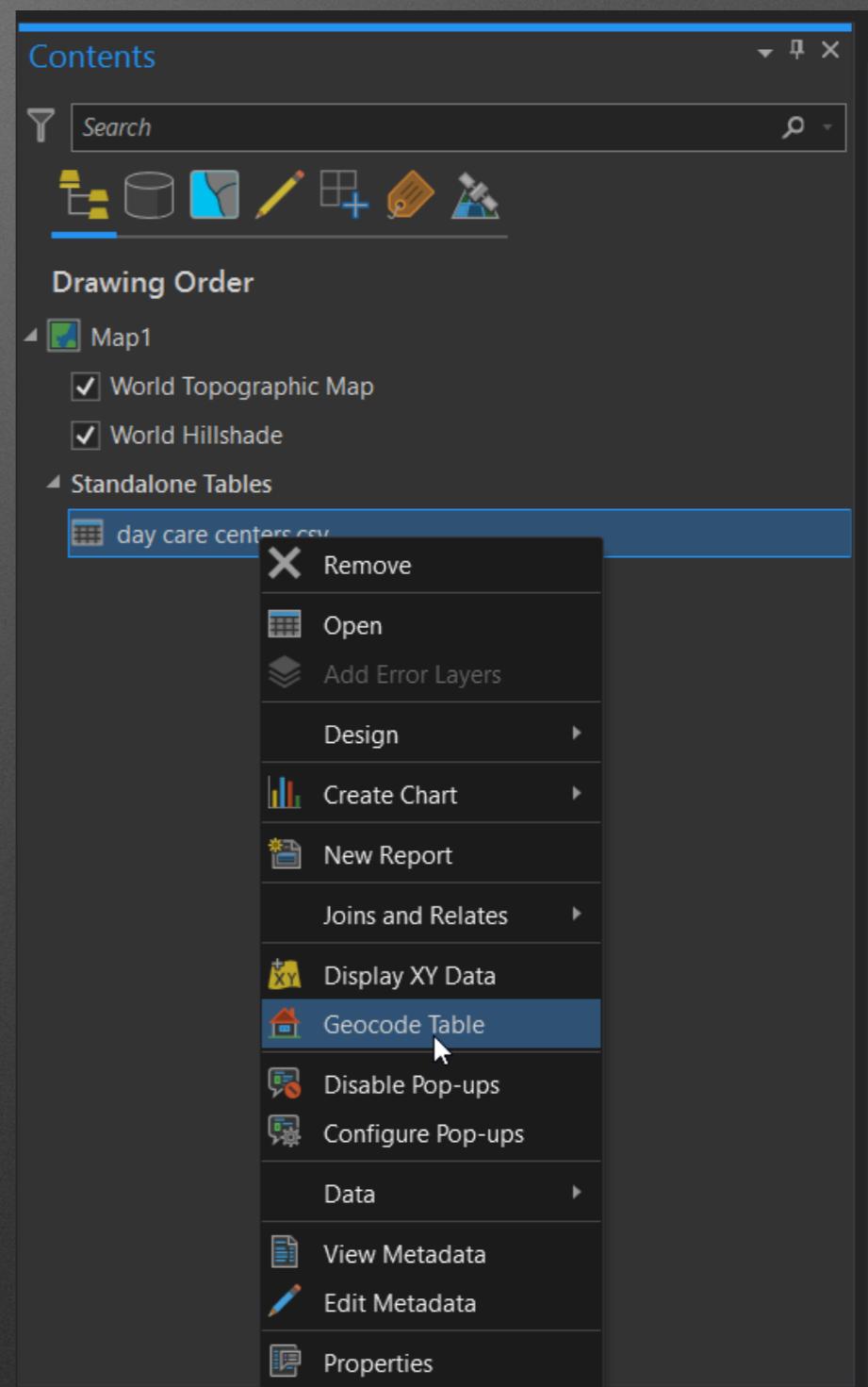
Creating an Address Locator

- It will fill out the table except for Left and Right City
- The alias name for those are MCD_L and MCD_R or Monroe County Designation Left and Right
- Save with a good name



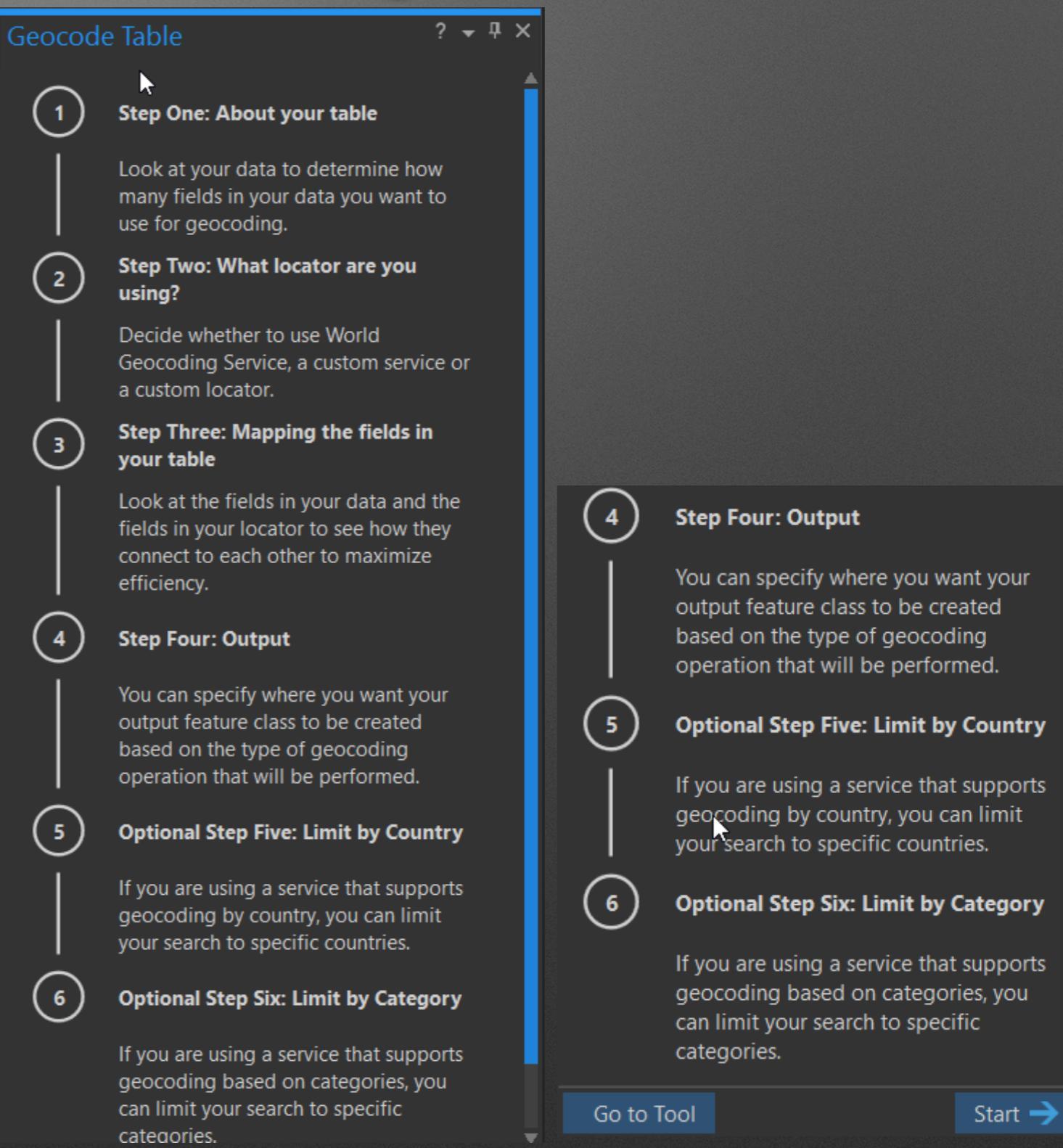
Add the Day Care Centers

- From the downloads for this week save the day care centers table
- Add the table to your workspace
- Right click on the table and then geocode addresses



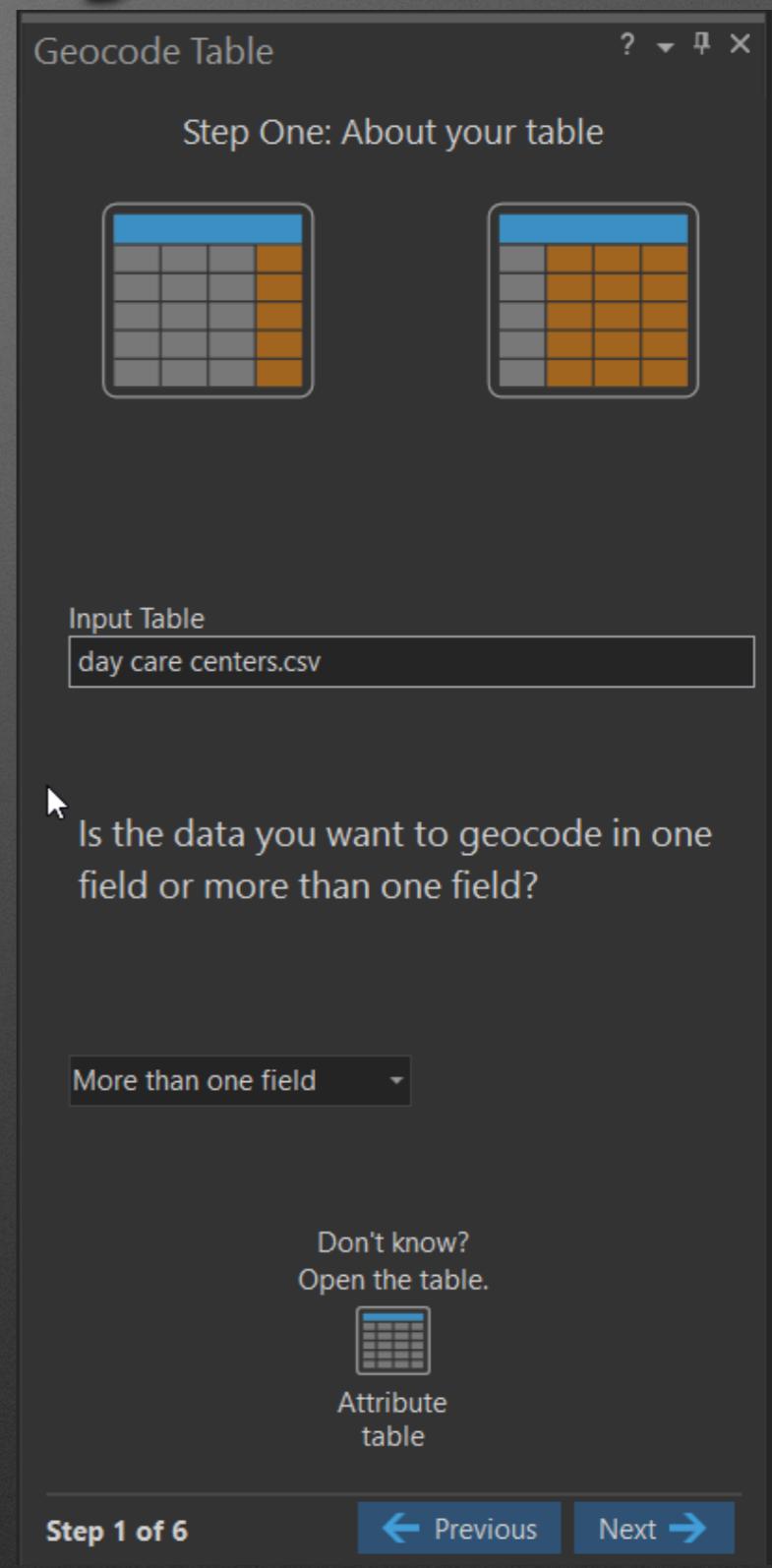
Geocoding the Day Cares

- ArcGIS Pro has a nice workflow to follow
- Click Start



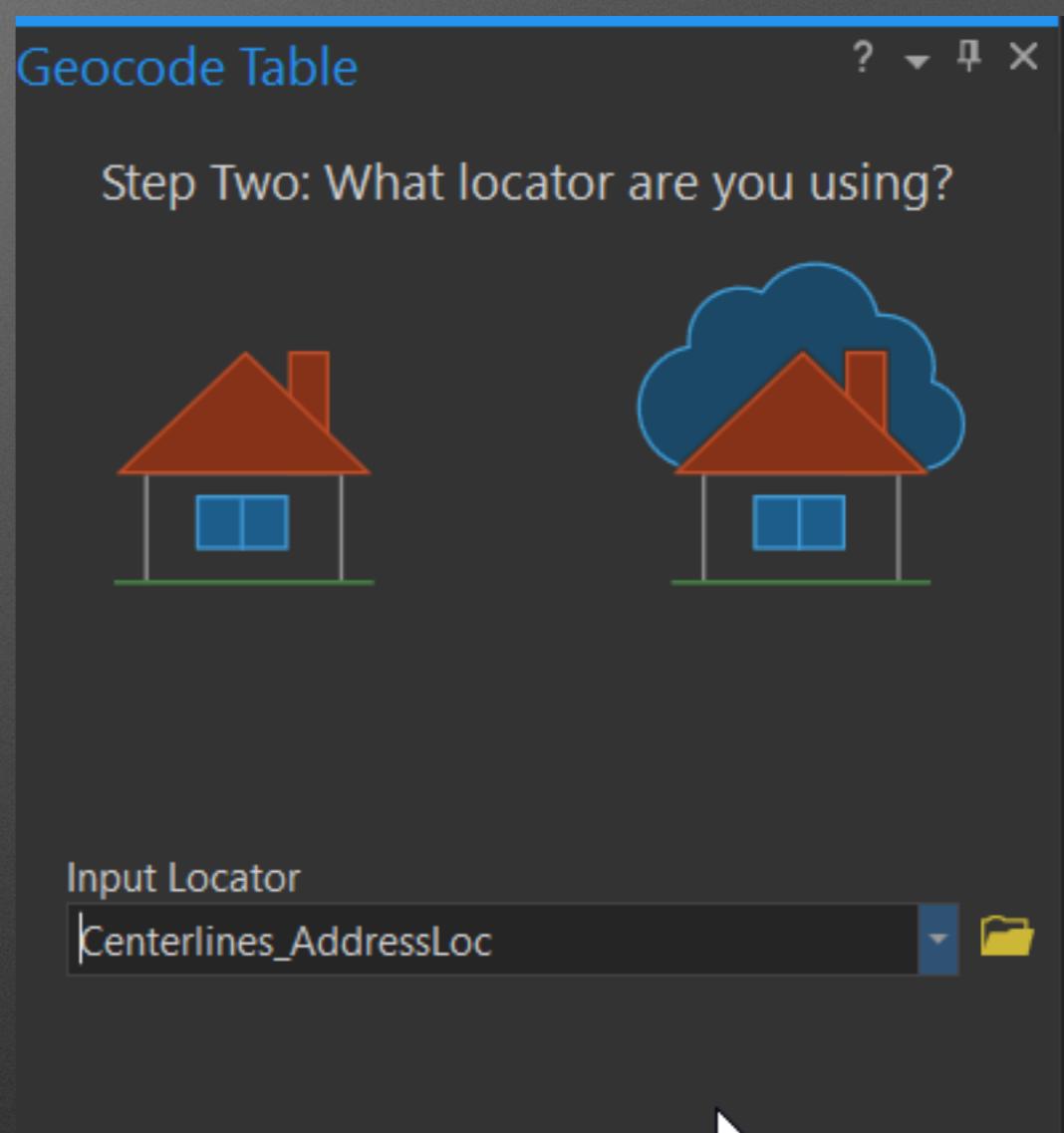
Geocoding the Day Cares

- ArcGIS Pro has a nice workflow to follow
- Click Start
- Pick your table and if it has one field or multiple fields



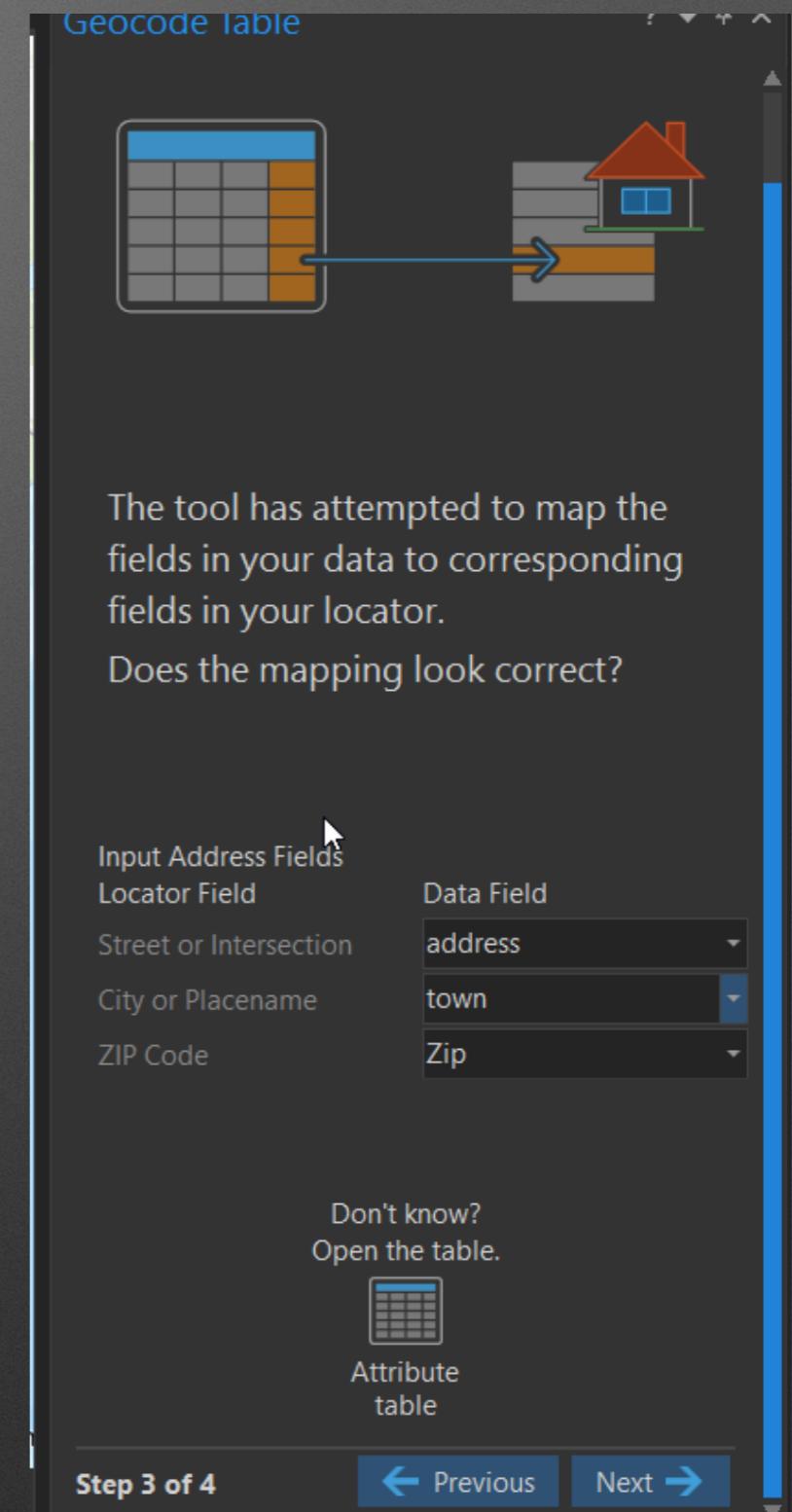
Geocoding the Day Cares

- ArcGIS Pro has a nice workflow to follow
- Click Start
- Pick your table and if it has one field or multiple fields
- Then your address locator
-



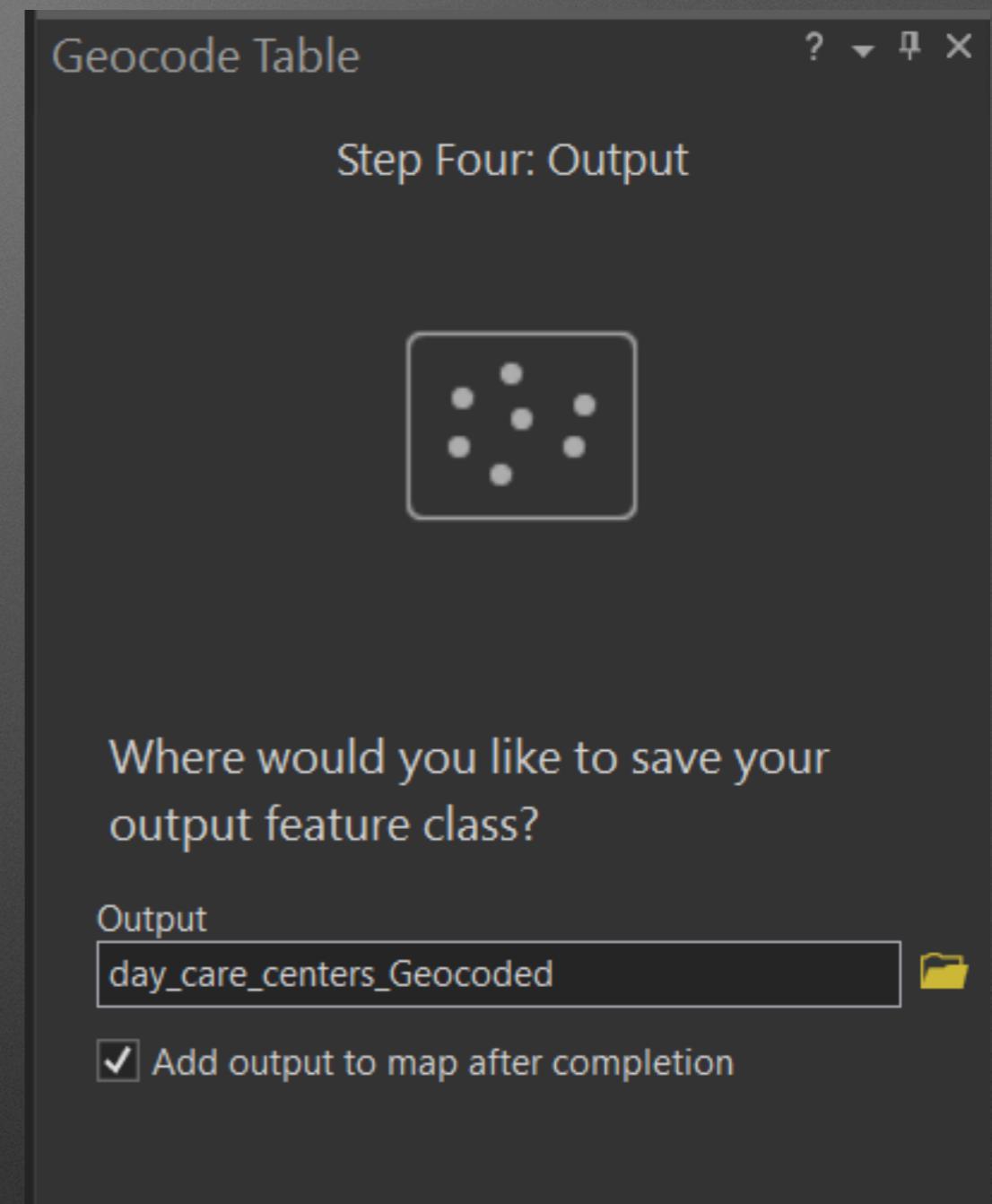
Geocoding the Day Cares

- ArcGIS Pro has a nice workflow to follow
- Click Start
- Pick your table and if it has one field or multiple fields
- Then your address locator
- Then pick the fields



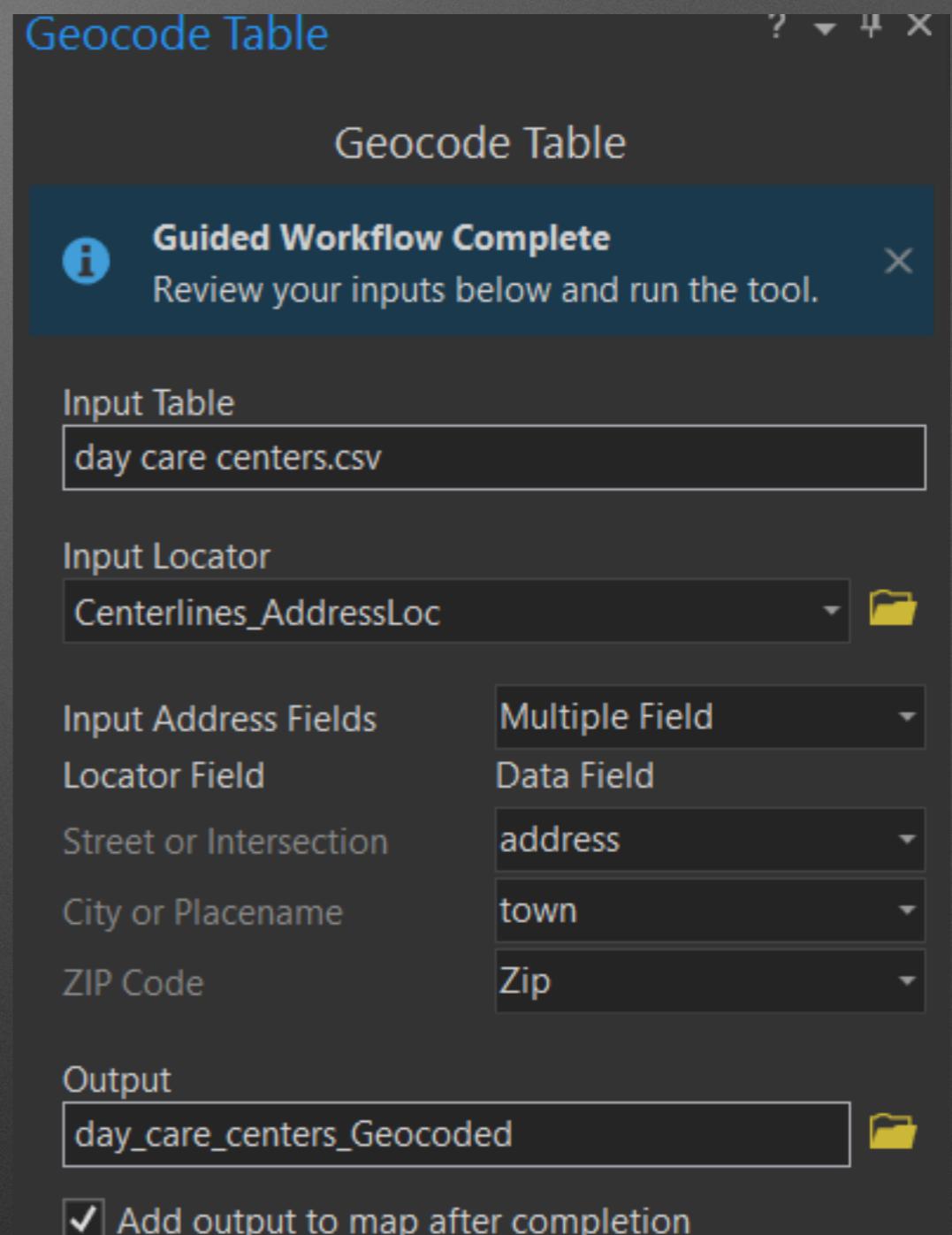
Geocoding the Day Cares

- ArcGIS Pro has a nice workflow to follow
- Click Start
- Pick your table and if it has one field or multiple fields
- Then your address locator
- Then pick the fields
- Lastly Give it a Name



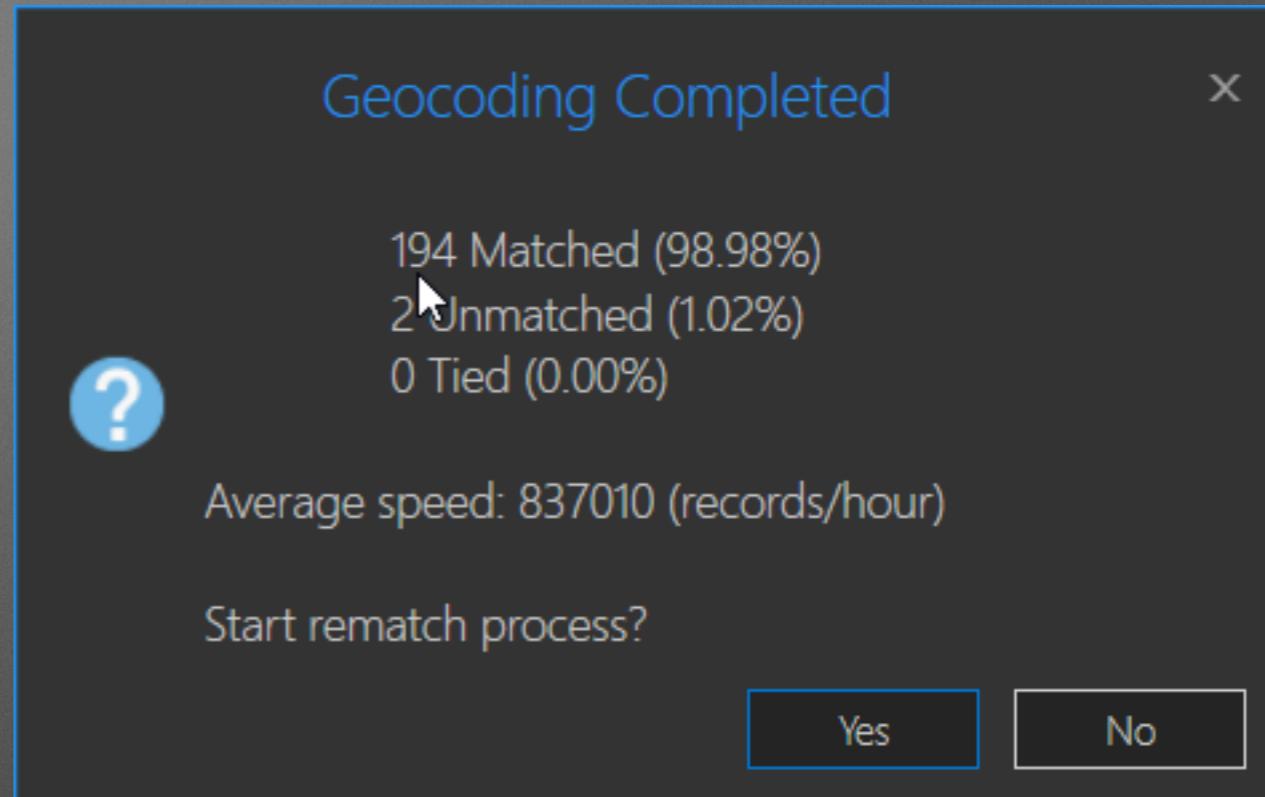
Geocoding the Day Cares

- ArcGIS Pro has a nice workflow to follow
- Click Start
- Pick your table and if it has one field or multiple fields
- Then your address locator
- Then pick the fields
- Lastly Give it a Name
- (You get one last look of the settings before geocoding)



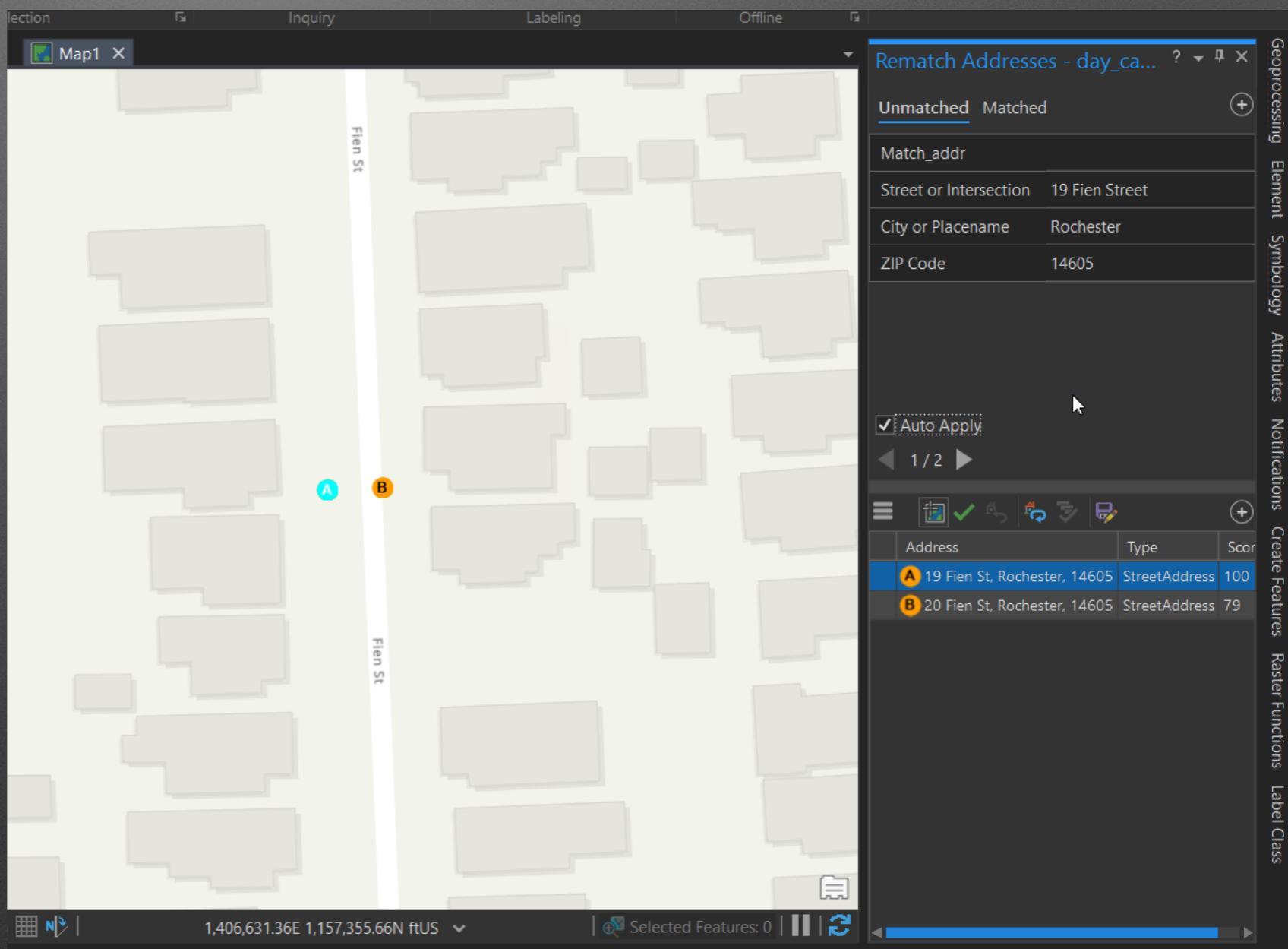
Fixing the Addresses

- After you hit OK it will place the points
- Depending on your data you will have to go in and clean up addresses
- (Note PO Boxes will not geocode)



Review the 2 Unmatched Addresses

- Click Rematch
- This brings up the geocoding review manager
- On the top select unmatched addresses
- Then you have to look at each one
- Look at the possible list and manually pick the correct one
- You can click zoom to candidates to get a better picture



Hands on Demo of Geocoding

Readings for Next Week

- 20101119_LDCMbrochure
- Remote_Sensing_Feature_Articles
- Landsat_Improve_Life1

Lab 4 – GIS and Basic Map Making
Due Date: September 30, 11:30 PM
Delivery Format: Word file in drop box

Reminders:
Data is Lab4Data.zip