

U.S. Department of Commerce
United States Census Bureau
AMERICAN FactFinder

Download Center - A step-by-step guide to downloading data

1 Start 2 Dataset 3 Geographies 4 Search Results

Select geographies to add to Your Selections. Click Next

The download center allows you to select from groups of geographies, such as all counties in a state. To select from all available geographies, use Advanced Search.

Select a geographic type:
 Census Tract

Select a state:
 Texas

Select a county:
 Brazos

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

All Census Tracts within Brazos County, Texas

Your Selections

Search using:
 Dataset: 2012 ACS 5-year estimates

Geography	Est. Total	Mar Male	Est. Male	Mar Female	Est. Female	Est. Total	Mar Male	Est. Male	Mar Female	Est. Female	
1400000U 48042001001 Census Tr	7518	714	3900	342	8018	438	9.3	2.5	12	4.4	6.2
1400000U 48042001002 Census Tr	6388	518	3888	406	3500	222	5.9	2.3	5.8	2.3	6
1400000U 48042001003 Census Tr	1496	261	586	163	930	179	5.1	4.4	4.8	3.4	5.4
1400000U 48042001004 Census Tr	5880	521	3174	489	2706	146	3.3	1.8	2.8	2.4	3.8
1400000U 48042001005 Census Tr	7544	686	4254	327	2915	289	9.2	2.8	9.1	1.8	10.1
1400000U 48042001006 Census Tr	7544	883	3472	550	4672	408	11.8	2.6	12.8	6.5	14.6
1400000U 48042001007 Census Tr	4906	493	2054	295	2852	110	6.7	2.7	10.1	4.9	4.2
1400000U 48042001008 Census Tr	4541	937	3382	411	2839	182	9.7	2.5	10	3.2	9.3
1400000U 48042001009 Census Tr	5288	783	2756	446	2932	449	11.8	3.3	12.4	4.3	8.8
1400000U 48042001010 Census Tr	5789	736	2907	187	2842	451	15	4	13.8	4.7	16.5
1400000U 48042001011 Census Tr	2515	261	1165	177	1330	211	8	3	7.6	3.9	6.3
1400000U 48042001012 Census Tr	5273	455	2413	181	2896	136	6.1	3.1	6.8	4.1	5.7
1400000U 48042001013 Census Tr	3890	446	1259	111	1811	268	7.5	3.1	4.4	3.3	9.8
1400000U 48042001014 Census Tr	7671	767	4345	690	3326	336	6.7	3.4	8.1	4.2	9.6
1400000U 48042001015 Census Tr	4887	521	1968	165	2481	408	6.3	3.9	6.7	4.9	5.9
1400000U 48042001016 Census Tr	2837	225	1427	227	1410	224	2.9	1.9	2.7	2.5	3
1400000U 48042001017 Census Tr	4038	371	2325	327	1713	272	2.9	3.7	2.7	1.7	3.1
1400000U 48042001018 Census Tr	5468	687	3115	496	2353	500	7	1.4	6.9	1.3	5.5
1400000U 48042001019 Census Tr	5485	703	2305	478	1380	194	2.8	1.3	1.8	1.4	3.8
1400000U 48042001020 Census Tr	5495	866	2598	470	2817	614	5.5	2.9	4.8	3.2	6.1
1400000U 48042001021 Census Tr	4786	187	2511	481	2250	182	2.4	1.7	1.8	2.7	3.1
1400000U 48042001022 Census Tr	3629	377	2011	314	1818	291	2.9	2.5	2.5	2.7	3.4
1400000U 48042001023 Census Tr	3030	333	1511	222	1499	296	2.8	2.1	2.2	2.2	3.4

Creating a Census/GIS training program

Laura Sare and Miriam Olivares

Opportunity Noticed

- Passing patrons with similar needs between GIS and Documents
- Mostly graduate students needing census data for GIS, but also needing further GIS assistance

Developing a Workshop

- Goal: ability to integrate census data into research and assignments
- We did not want to teach principles of GIS
- Instructors' expertise in geospatial technology and government documents essential to offer a comprehensive workshop

Developing a Workshop

- Crucial Needs to teach
 - How to use AFF
 - Downloading TIGER files
 - Joining boundaries to tabular data
 - Symbology help
 - Services and databases Libraries provide

Census Training

- Census Geography Overview
 - Legal vs. census
 - Nesting
 - What sizes were available in survey types

Census Training

- Difference between ACS and Decennial data
 - 2010 short form only
 - ACS data are estimates
 - ACS currency vs. accuracy

U.S. Department of Commerce
United States Census Bureau

AMERICAN FactFinder

MISSOURI KANSAS KENTUCKY NORTH

MAIN COMMUNITY FACTS GUIDED SEARCH ADVANCED SEARCH **DOWNLOAD CENTER**

Download Center - A step-by-step guide to downloading data Dataset

1 Start 2 Dataset 3 **Geographies** 4 Search Results

Select geographies to add to Your Selections. Click **Next**.

The download center allows you to select from groups of geographies, such as all counties in a state. To select from all available geographies, use *Advanced Search*.

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

Select a state:
Texas

Select a county:
Brazos

Select one or more geographic areas and click **Add to Your Selections**:
All Census Tracts within Brazos County, Texas

Your Selections

Search using...
Dataset:
2012 ACS 5-year estimates

Census Tract:
All Census Tracts within Brazos County, Texas

Table matching your selections: 924

PREVIOUS NEXT CANCEL

Census Training

- Using American FactFinder
 - Step-by-step downloading of two tables
 - Advanced search for census tract data

A1	GEO.id														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	GEO.id	GEO.id2	GEO.displ	HC01_EST	HC01_MO	HC02_EST	HC02_MO	HC03_EST	HC03_MO	HC01_EST	HC01_MO	HC02_EST	HC02_MO	HC03_EST	HC03_MO
2	id	id2	Geograph Total; Esti Total; Mar Male; Esti Male; Mar Female; E Female; N Total; Esti Total; Mar Male; Esti Male; Mar Female; E Female												
3	1400000U!	48041000101	Census Tr	7914	714	3900	542	4014	416	9.1	2.5	12	4.4	6.2	:
4	1400000U!	48041000102	Census Tr	6388	518	3088	406	3300	312	5.9	2.3	5.8	2.3	6	:
5	1400000U!	48041000103	Census Tr	1496	281	586	163	910	179	5.1	4.4	4.8	5.4	5.4	:
6	1400000U!	48041000201	Census Tr	5880	521	3174	489	2706	346	3.3	1.8	2.8	2.4	3.8	:
7	1400000U!	48041000202	Census Tr	7194	686	4254	527	2910	289	9.5	2.6	9.1	3.6	10.1	:
8	1400000U!	48041000300	Census Tr	7544	803	3472	350	4072	608	13.8	2.6	12.8	4.5	14.6	:
9	1400000U!	48041000400	Census Tr	4906	493	2054	295	2852	310	6.7	2.7	10.1	4.9	4.2	:
10	1400000U!	48041000500	Census Tr	6141	657	3282	433	2859	382	9.7	2.5	10	3.2	9.3	:
11	1400000U!	48041000603	Census Tr	5288	765	2736	446	2552	449	10.8	3.3	12.6	4.3	8.8	:
12	1400000U!	48041000604	Census Tr	5749	736	2907	387	2842	451	15	4	13.6	4.7	16.5	:
13	1400000U!	48041000700	Census Tr	2535	261	1185	177	1350	213	8	3	7.6	3.9	8.3	:
14	1400000U!	48041000800	Census Tr	5271	455	2415	303	2856	336	6.1	3.1	6.6	4.1	5.7	:
15	1400000U!	48041000900	Census Tr	2890	446	1259	311	1631	268	7.5	3.1	4.4	3.3	9.8	:
16	1400000U!	48041001000	Census Tr	7671	767	4345	690	3326	536	8.7	3.4	8.1	4.2	9.6	:
17	1400000U!	48041001100	Census Tr	4467	521	1896	365	2481	406	6.3	2.9	6.7	4.9	5.9	:
18	1400000U!	48041001301	Census Tr	2837	225	1427	227	1410	224	2.9	1.9	2.7	2.5	3	:
19	1400000U!	48041001302	Census Tr	4038	371	2325	327	1713	272	2.9	1.7	2.7	1.7	3.1	:
20	1400000U!	48041001303	Census Tr	5668	667	3315	496	2353	500	2	1.4	0.9	1.1	3.5	:
21	1400000U!	48041001400	Census Tr	3485	703	2105	478	1380	394	2.6	1.3	1.8	1.4	3.8	:
22	1400000U!	48041001601	Census Tr	5495	666	2598	470	2897	614	5.5	2.9	4.8	3.2	6.1	:
23	1400000U!	48041001604	Census Tr	4766	587	2513	481	2253	392	2.4	1.7	1.8	2.7	3.1	:
24	1400000U!	48041001605	Census Tr	3629	377	2011	314	1618	291	2.9	2.5	2.5	2.7	3.4	:
25	1400000U!	48041001606	Census Tr	3010	353	1511	222	1499	298	2.8	2.1	2.2	2.2	3.4	:

U.S. Department of Commerce
United States Census Bureau

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Maps & Data

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 • [LandView](#)

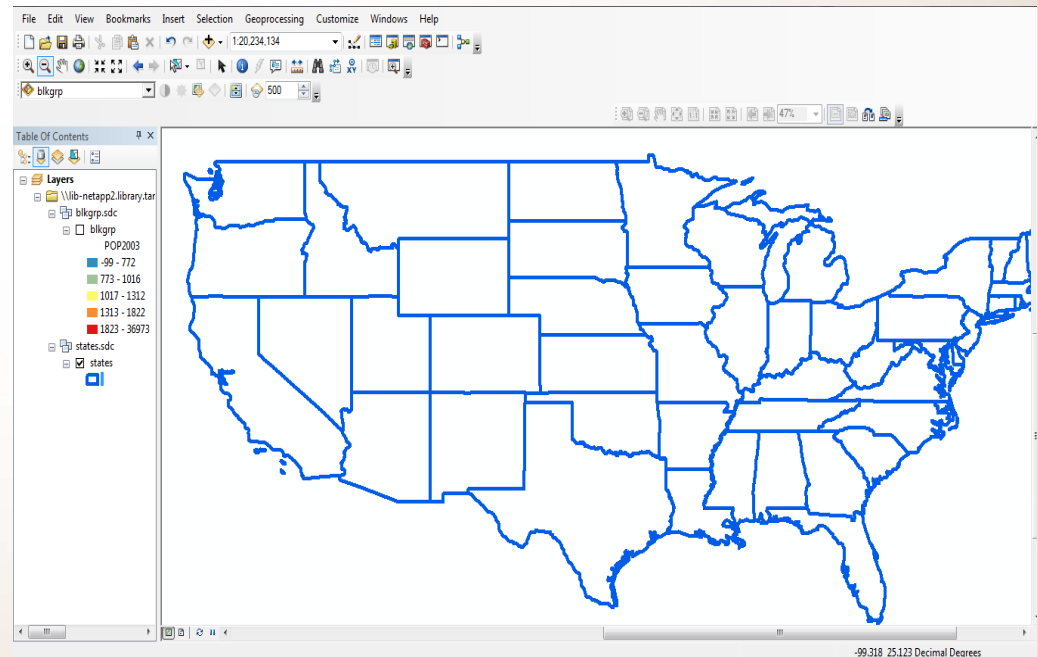
TIGER/Line® Shapefiles and TIGER/Line® Files

- Format:
 - Shapefile - 2007 to Present
 - TIGER/Line ASCII format - 2008 and earlier
 - Census 2000 available in both formats
- The core TIGER/Line Files and Shapefiles do not include demographic data, but they do contain geographic entity codes (GEOIDs) that can be linked to the Census Bureau's demographic data, available on [American FactFinder](#).
- [How Do I Choose Which Vintage to Use?](#) [PDF]
- [Working with TIGER/Line Shapefiles How-To Guides](#)
- Geography Change & Errata
 - [Geographic Boundary Change Notes](#)
 - [Geography Notes and Errata from the 2010 Census](#) [PDF]
 - [Substantial County Changes](#)

2013	113th CD	2012	2011	2010	2009	2008	2007	2006SE	Census 2000	1992
2013 TIGER/Line Shapefiles All legal boundaries and names are as of January 1, 2013. Released August 22, 2013. <ul style="list-style-type: none"> Download Technical Documentation File Availability User Notes 										

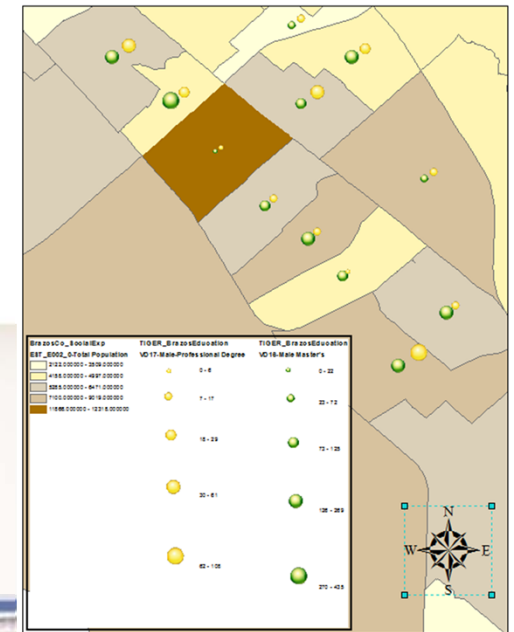


- Cleaning downloaded AFF data
- Getting TIGER shapefiles



GIS

- Joining TIGER to tabular data
 - Symbology exercises



	GEO.id	GEO.display label	VD01	VD02	VD06	VD17	VD18	VD19
			Total	Total	Total	Total	Total	Total
4	Id							
5	1400000US48041000100	Census Tract 100	6684	3275	145	81	102	
6	1400000US48041000201	Census Tract 201	2737	1353	143	19	113	
7	1400000US48041000202	Census Tract 202	2541	1327	55	0	32	
8	1400000US48041000300	Census Tract 300	3457	1640	46	33	41	
9	1400000US48041000400	Census Tract 400	2045	993	38	6	3	
10	1400000US48041000500	Census Tract 500	1436	22	0	0	0	
11	1400000US48041000600	Census Tract 600	1191	34	3	0	0	
12	1400000US48041000700	Census Tract 700	1260	12	17	12	0	
13	1400000US48041000800	Census Tract 800	764	41	24	0	0	
14	1400000US48041000900	Census Tract 900	1349	150	18	100	0	
15	1400000US48041001000	Census Tract 1000	712	23	0	12	0	

ID	STATEFP00	COUNTYFP00	TRACTCE00	CTIDFP00	NAME00	NAMELSAD00
001	48	041	000300	48041000300	3	Census Tract 3
002	48	041	002001	48041002001	20.01	Census Tract 20.01

Geospatial databases



Geolytics Neighborhood Change Database

New Request

Open Request

Year

Geography

Area

Counts

Report Type

Save Request

Run Report

Reports

View Help

Year

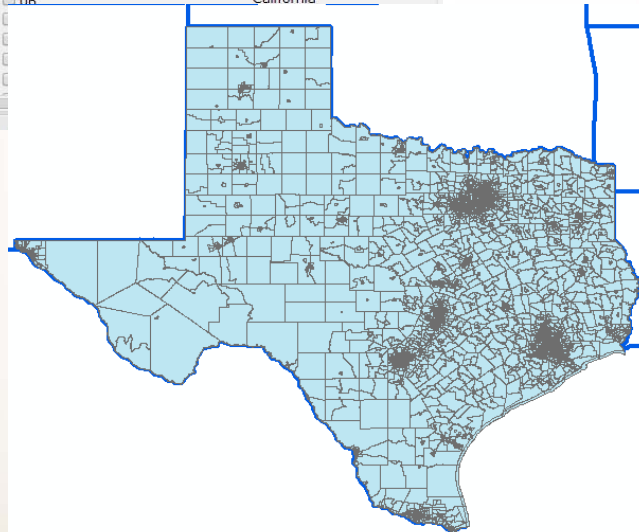
- 1970 Census 1970
- 1980 Census 1980
- 1990 Census 1990
- 2000 Census 2000
- 2010 Census 2010
- 2006-2010 ACS 2006-2010
- All Years All Years in 2010 boundaries

Geography

- TRACT Tract

Area

- US United States
- 01 Alabama
- 02 Alaska
- 04 Arizona
- 05 Arkansas
- 06 California



Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Alabama	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000
Alaska	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000
Arizona	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000
Arkansas	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000
California	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000

■ Geolytics

■ Social Explorer

GIS | Geographic Information Systems

Last Updated: Apr 10, 2014 | URL: <http://guides.library.tamu.edu/GIS/> | [Print Guide](#) | [RSS Updates](#) | [Email Alerts](#)

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ArcGIS for Desktop-Student Licenses

The student copy may only be installed on a student personal computer, not a Texas A&M-owned computer. If intended to be installed in a Texas A&M-owned computer, ArcGIS must be purchased through the [Texas A&M Software Center](#).

If you are interested in obtaining a free copy of ArcGIS Student Edition, we can provide one to you. Just please fill out, sign, and [e-mail](#) the form to us. There are four versions of the software. Please fill out the form according to the version you need:

[Form ArcGIS \(ArcView\) 9.3.1](#)
[Form ArcGIS \(ArcInfo\) 10](#)
[Form ArcGIS Advanced 10.1](#)
[Form ArcGIS for Desktop 10.2](#)

Once you e-mail the form to us, we will send the authorization number and instructions for installation and how to obtain the software via internet. For versions 9.3 and 10, you will need to pick up a CD at the Map & GIS Library.

[Comments \(0\)](#)

ArcGIS for Desktop-Faculty and Staff

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Source: <http://s44.radikal.ru/i106/1206/a4/e446b3a31f5c.jpg>

GIS at Texas A&M

- Campus-wide Esri software license
- Free GIS Student license (personal computers)
- ~20 GIS instructors
- ~45 GIS and Remote sensing courses
- Texas A&M GIS Group (320 members)
- Undergoing initiative to start a GIS Center
- Texas Census Research Data Center (1 of 12 in the U.S.)

What we Developed

- Time Savers
 - Have students log into lab computers and open GIS desktop before class
 - Have students download AFF tables and shapefiles before class

What we Developed

- Hands on Help
 - GIS student worker in class

What we Developed

- Backend
 - LibCal for enrollment
 - Advertise classes at University level

Diverse attendees

- Student, staff and faculty members
- Across Texas A&M System
- Sciences, Social Sciences and Humanities

Feedback

- Pace – too fast or just right
- Data – wanted to download data specific to their discipline
- Review – glad to have a review

Outcomes

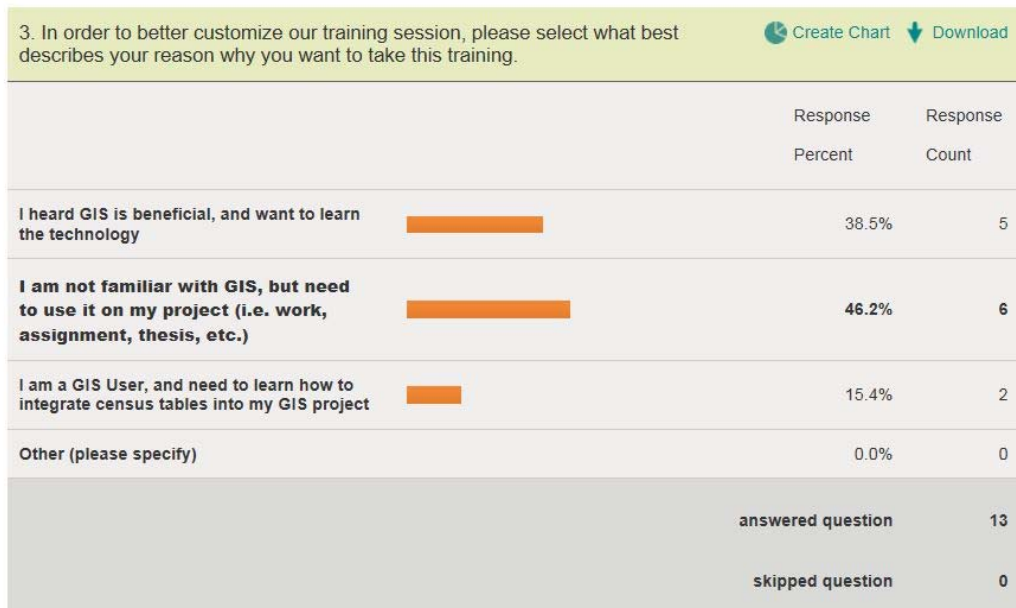
- Created other instruction requests
- More people learn about our specialties

Improvements

- Restrict to only people who have had GIS online training or taken a semester long GIS course
- Create a webinar for students not familiar with GIS

Developing a Workshop

- Learned there is high demand for short-term GIS learning



Survey Monkey

Future plans

- Bringing expertise of learning and outreach department to produce a high-quality archived webinar

GIS Help



- Miriam Olivares
olivares@tamu.edu
- My regrets for not being at this conference (Besides, Washington D.C. is on my bucket list!)

Questions

- Laura Sare – lsare@tamu.edu

Map screenshots created with Esri ArcGIS 10.2 software unless otherwise noted.