New Statistical Services

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June 4, 2019

The Challenge

Data users demand more timely and in-depth information to guide their economic decisions and expect better ways to extract, analyze, and visualize the data.

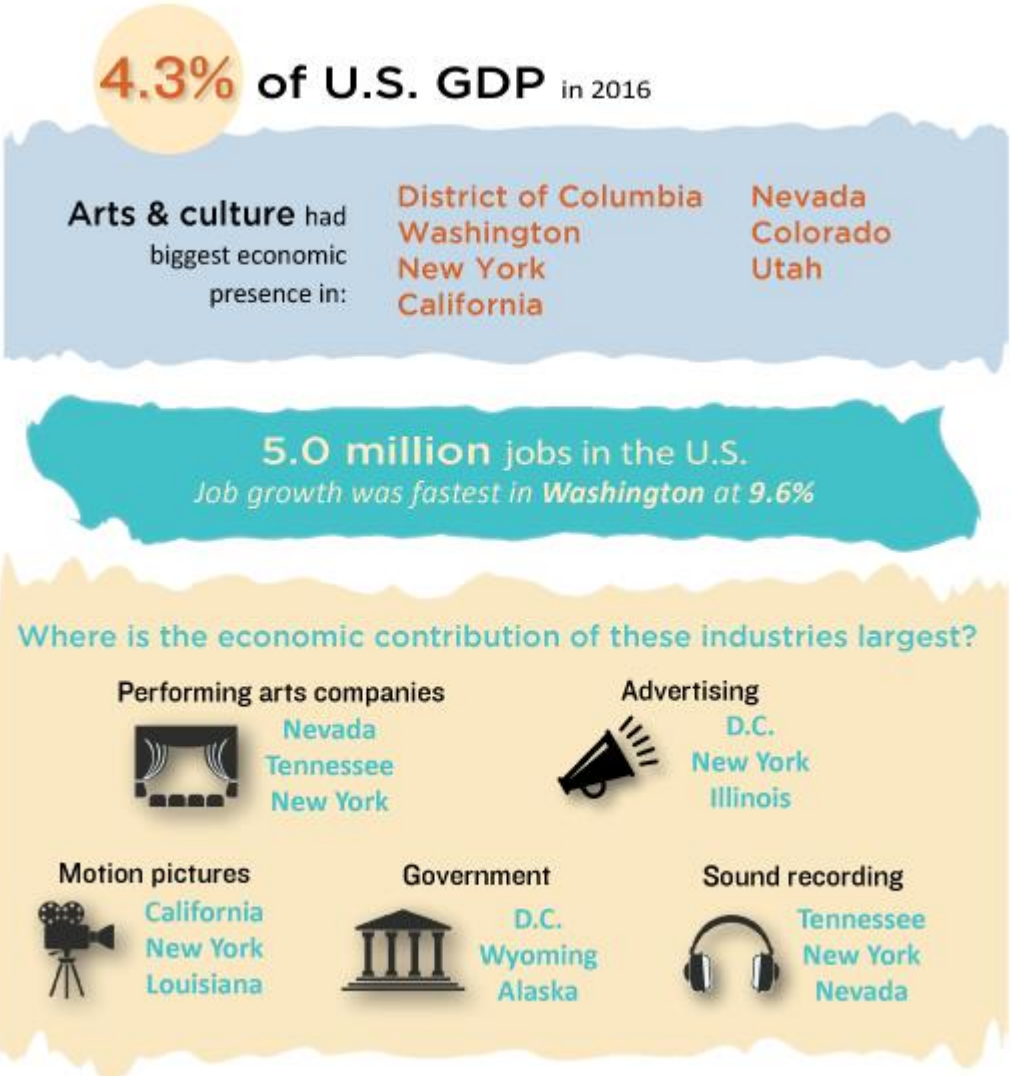
#1. Better Targeting: Satellite Accounts

- Supplemental data products that are outside, but still connected to, the main set of economic accounts
- Main advantages:
  - Call out specific topics that are of keen interest to data users
  - Ability to launch prototype measures without disrupting "core" accounts
  - Do not require "perfection," so statistical agencies can develop and release new datasets more quickly
  - Development process includes built-in feedback mechanisms and opportunities for multiple rounds of improvements

Outdoor Recreation Satellite Account

Source: Bureau of Economic Analysis

Arts & Culture Satellite Account

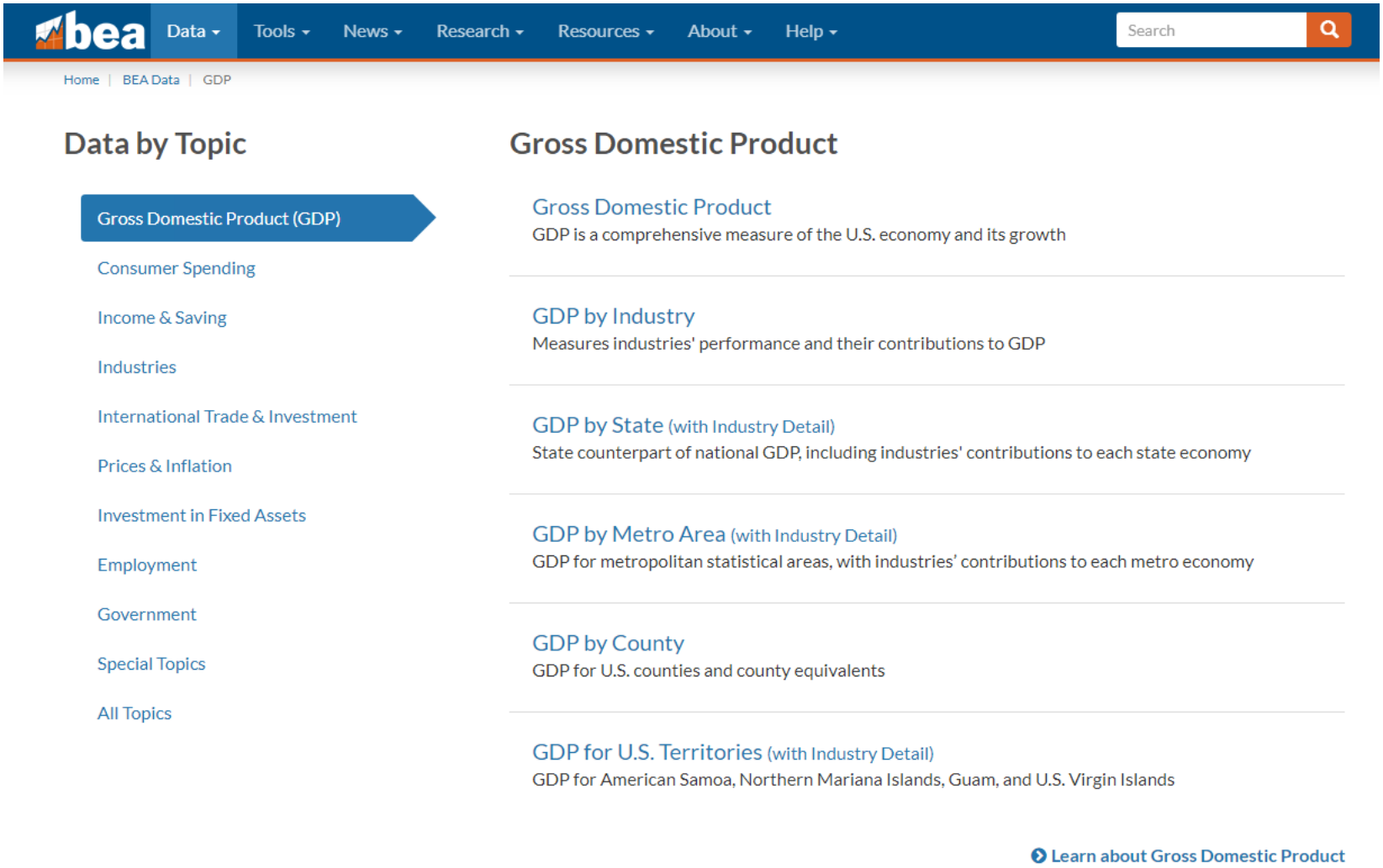


Source: Bureau of Economic Analysis

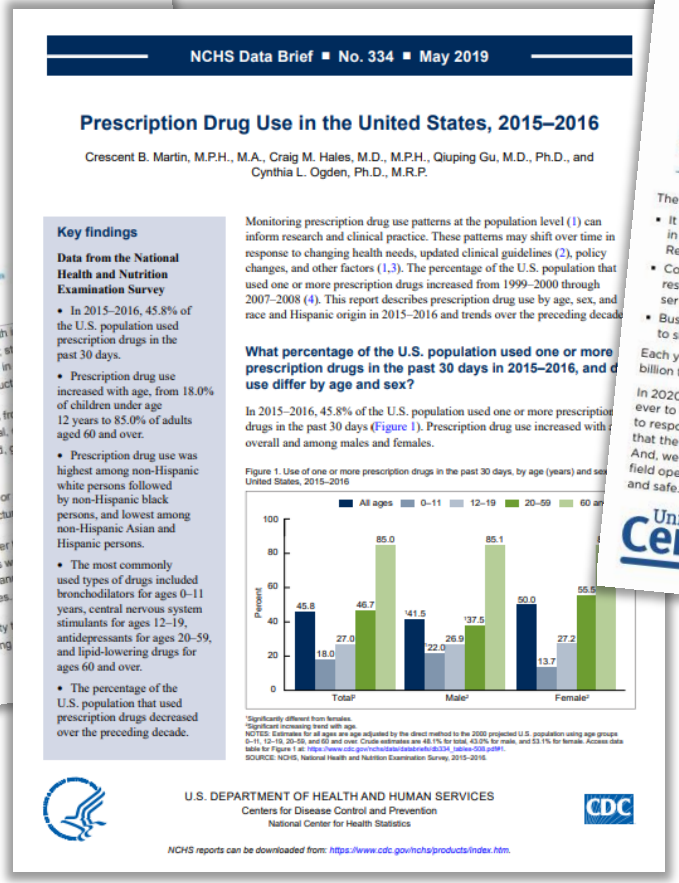
#2. Better Communicating

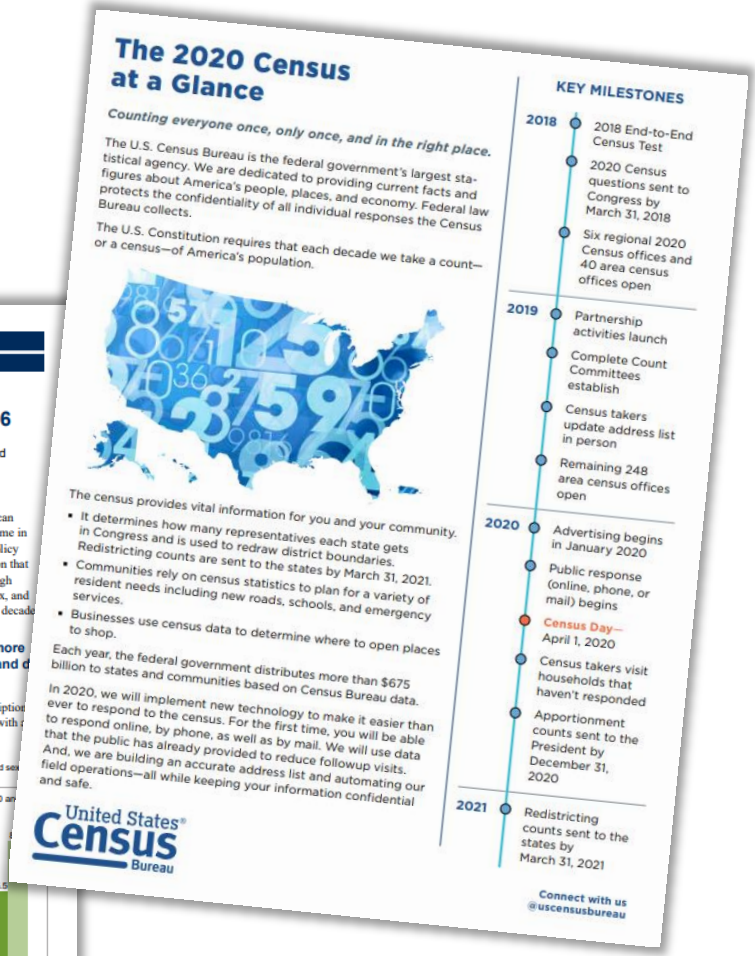
- A hidden statistic is a useless statistic—statistical agencies must leverage a variety of mechanisms to market their products to diverse customer bases, ensuring that the public understands their data offerings and knows how to use them.
- Tools:
  - Topic-driven Web site
  - “One-pagers”
  - FAQs
  - Social media and blogs
  - Data visualization

Topic-Driven Web sites

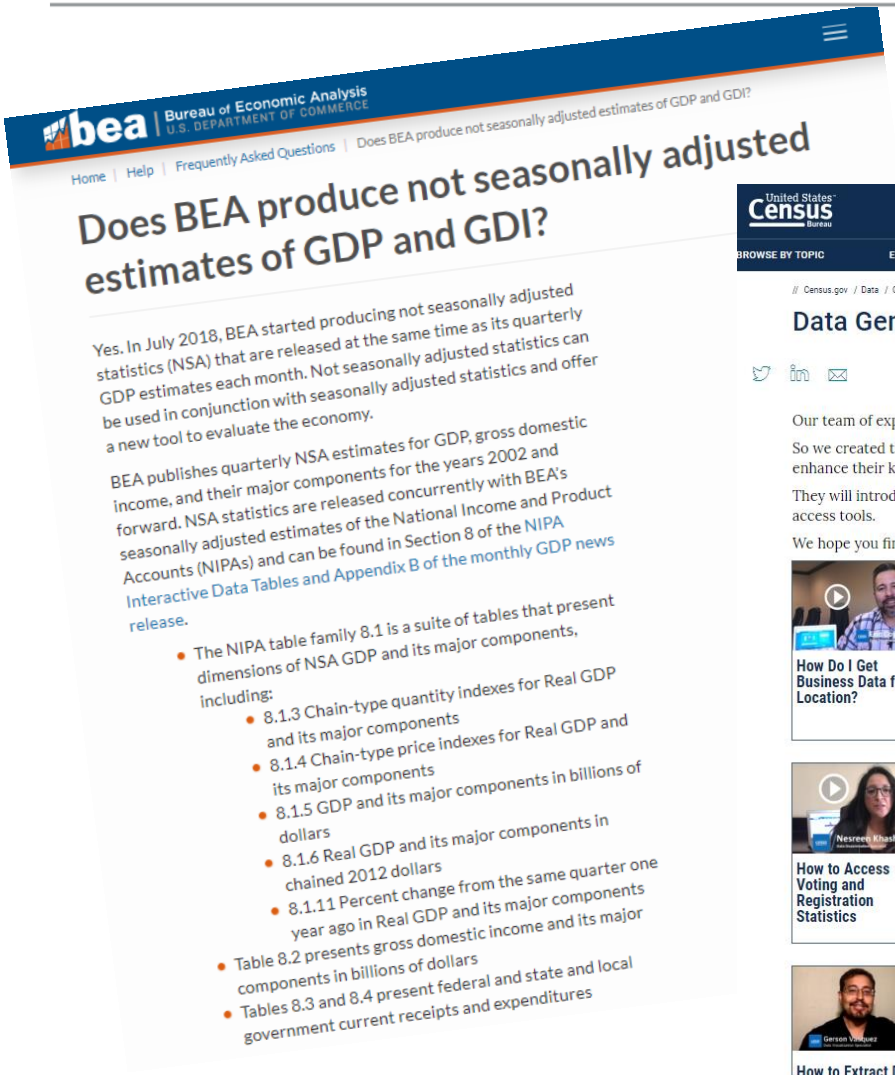


“One-Pager” Quick Guides





Frequently Asked Questions (FAQs)



bea | Bureau of Economic Analysis
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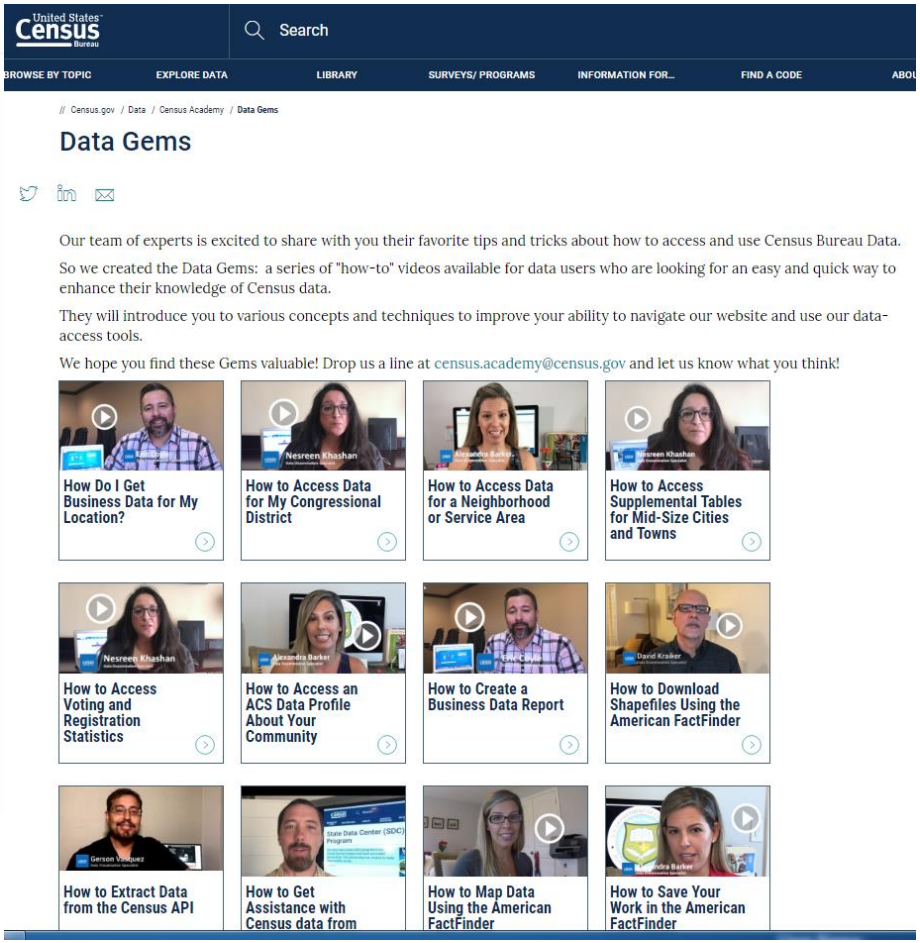
Home | Help | Frequently Asked Questions | Does BEA produce not seasonally adjusted estimates of GDP and GDI?

Does BEA produce not seasonally adjusted estimates of GDP and GDI?

Yes. In July 2018, BEA started producing not seasonally adjusted statistics (NSA) that are released at the same time as its quarterly GDP estimates each month. Not seasonally adjusted statistics can be used in conjunction with seasonally adjusted statistics and offer a new tool to evaluate the economy.

BEA publishes quarterly NSA estimates for GDP, gross domestic income, and their major components for the years 2002 and forward. NSA statistics are released concurrently with BEA's seasonally adjusted estimates of the National Income and Product Accounts (NIPAs) and can be found in Section 8 of the NIPA Interactive Data Tables and Appendix B of the monthly GDP news release.

- The NIPA table family 8.1 is a suite of tables that present dimensions of NSA GDP and its major components, including:
  - 8.1.3 Chain-type quantity indexes for Real GDP and its major components
  - 8.1.4 Chain-type price indexes for Real GDP and its major components
  - 8.1.5 GDP and its major components in billions of dollars
  - 8.1.6 Real GDP and its major components in chained 2012 dollars
  - 8.1.11 Percent change from the same quarter one year ago in Real GDP and its major components
- Table 8.2 presents gross domestic income and its major components in billions of dollars
- Tables 8.3 and 8.4 present federal and state and local government current receipts and expenditures



United States Census Bureau

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Data Gems

Our team of experts is excited to share with you their favorite tips and tricks about how to access and use Census Bureau Data.

So we created the Data Gems: a series of "how-to" videos available for data users who are looking for an easy and quick way to enhance their knowledge of Census data.

They will introduce you to various concepts and techniques to improve your ability to navigate our website and use our data-access tools.

We hope you find these Gems valuable! Drop us a line at census.academy@census.gov and let us know what you think!

How Do I Get Business Data for My Location?

How to Access Data for My Congressional District

How to Access Data for a Neighborhood or Service Area

How to Access Supplemental Tables for Mid-Size Cities and Towns

How to Access Voting and Registration Statistics

How to Access an ACS Data Profile About Your Community

How to Create a Business Data Report

How to Download Shapefiles Using the American FactFinder

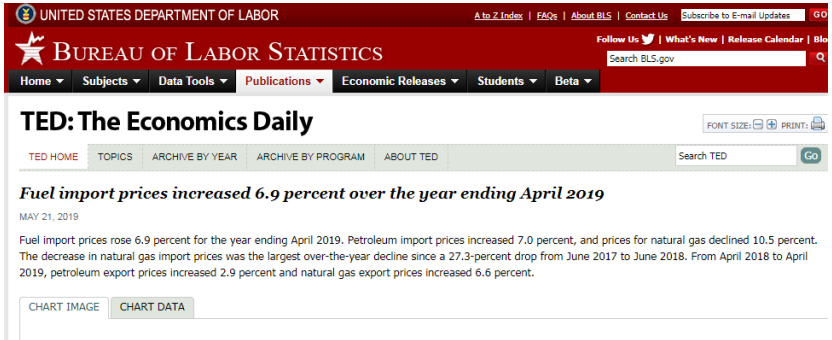
How to Extract Data from the Census API

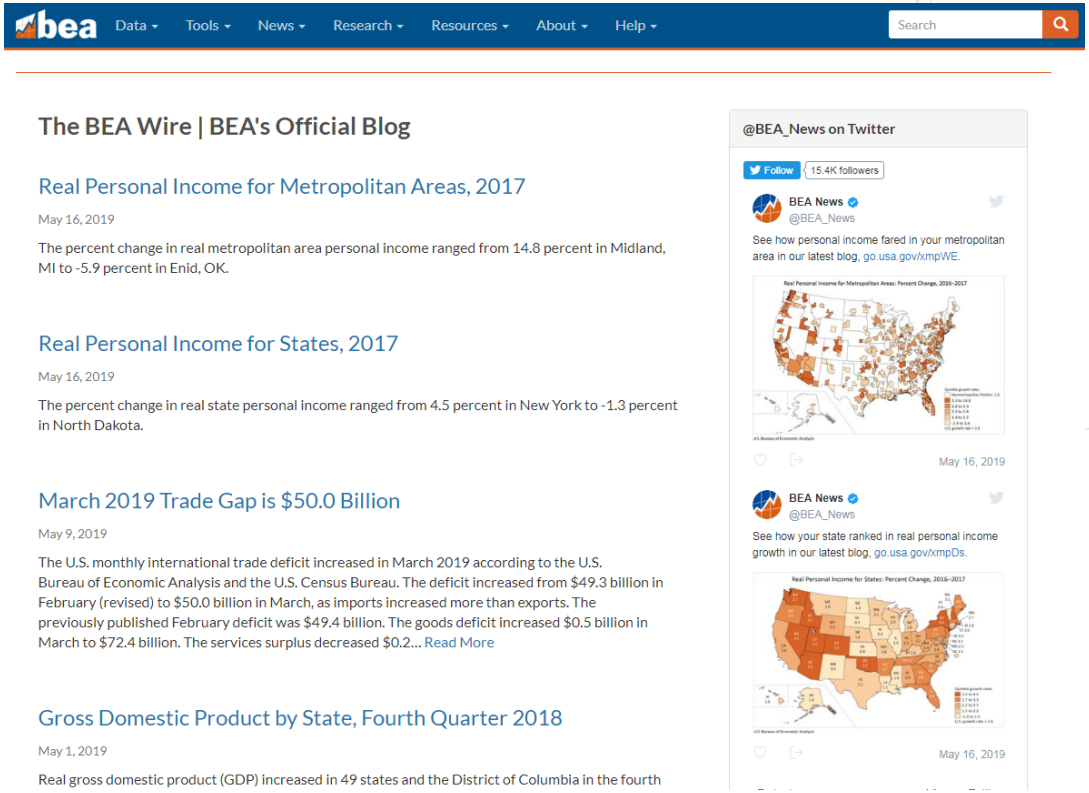
How to Get Assistance with Census data from

How to Map Data Using the American FactFinder

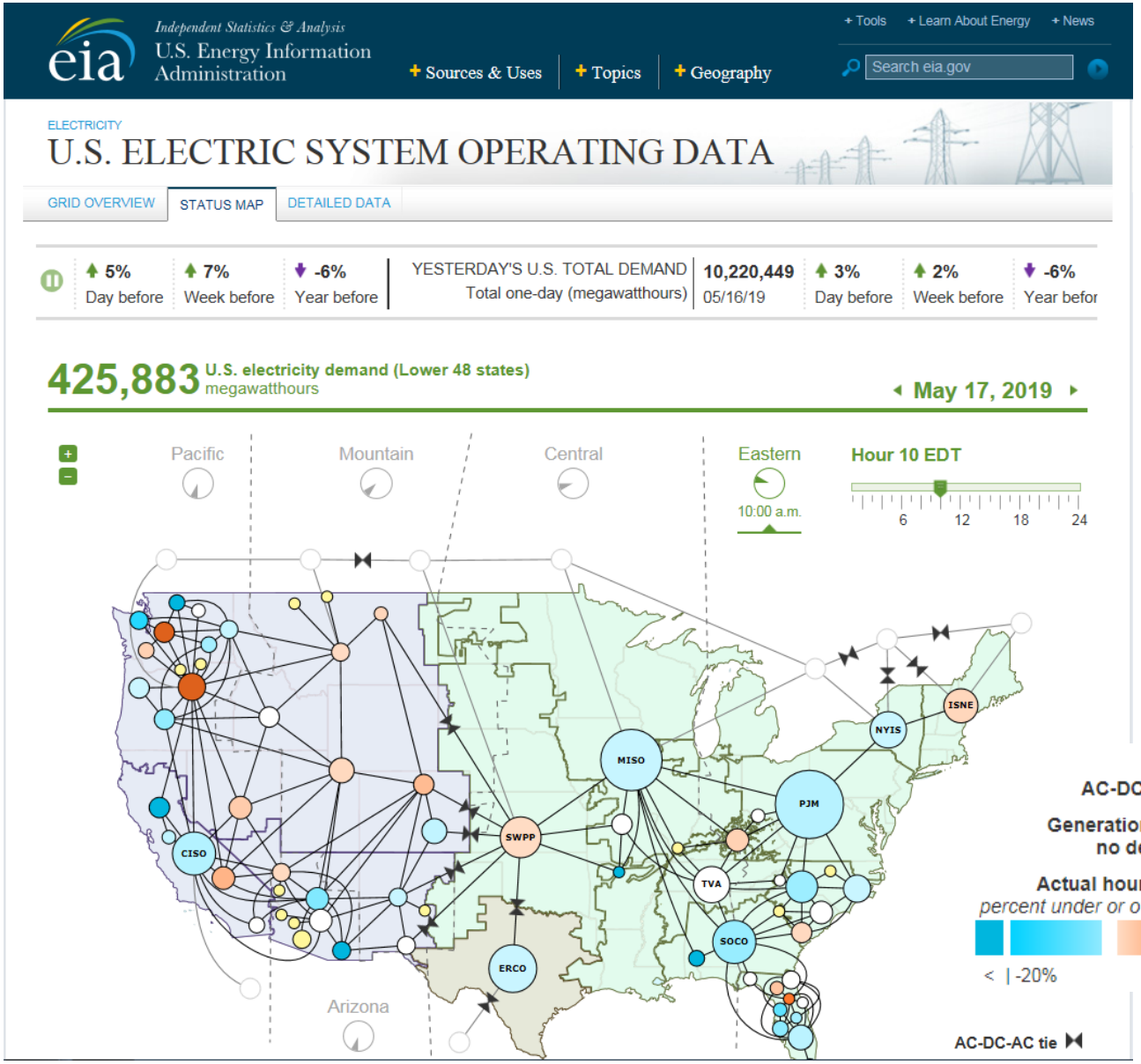
How to Save Your Work in the American FactFinder

Social Media & Blogs





Data Visualization



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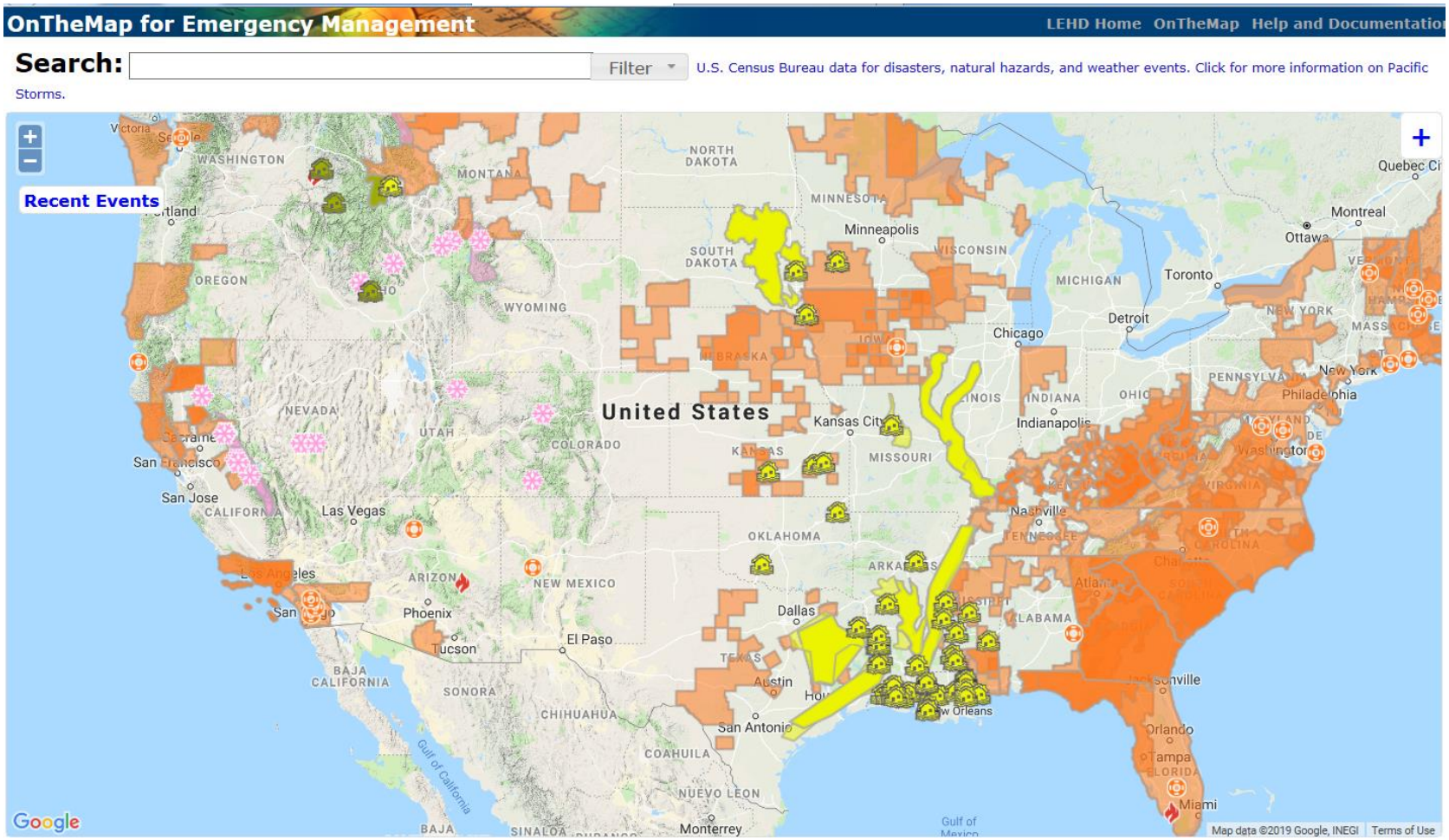
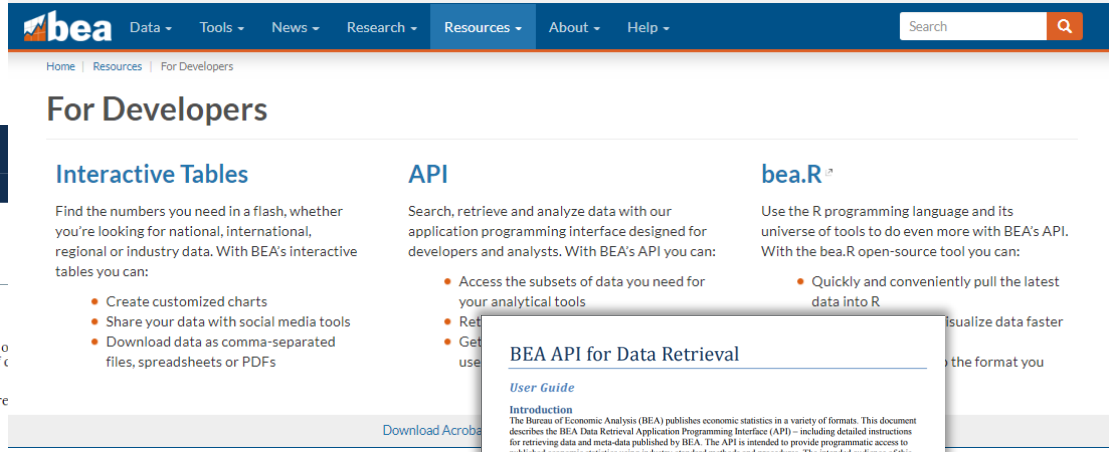


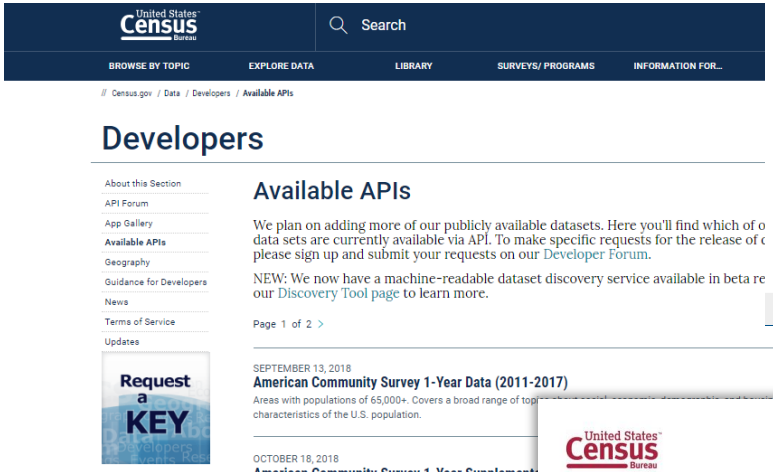
#3. Better Access

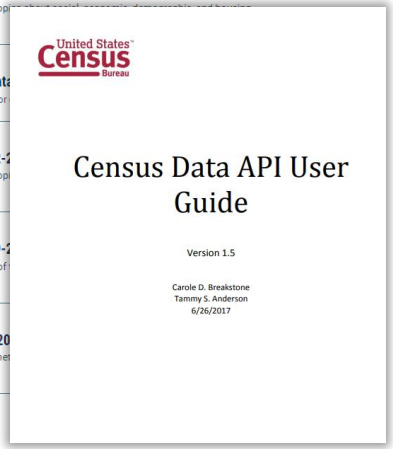
- Statistical agencies must harness the latest available technologies to push out increasing amounts of data in ways that are easily accessible and user friendly.
- Tools:
  - Cutting-edge platforms for developers and "power" users: APIs, R libraries, etc.
  - Interactive tables and charts: design-your-own products, build-your-own geographies
  - Federal Statistical Research Data Centers

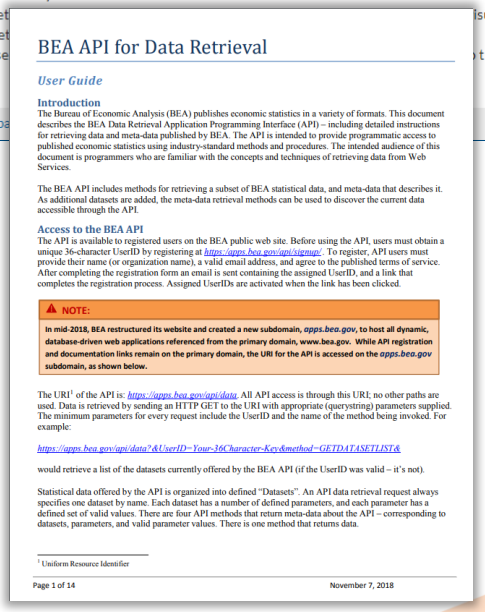
Developer Tools

- Broad availability of APIs









Interactive Data Tables & Tools

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National Income and Product Accounts

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Table 1.1.1. Percent Change From Preceding Period in Real Gross Domestic Product

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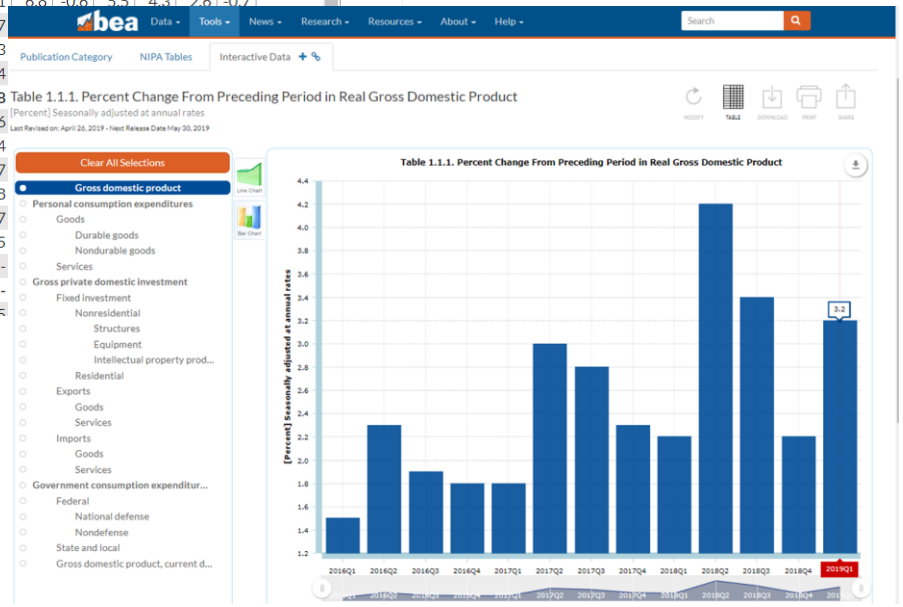
[Percent] Seasonally adjusted at annual rates

Last Revised on: April 26, 2019 - Next Release Date May 30, 2019

Line		2016				2017				2018				2019
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
1	**Gross domestic product**	**1.5**	**2.3**	**1.9**	**1.8**	**1.8**	**3.0**	**2.8**	**2.3**	**2.2**	**4.2**	**3.4**	**2.2**	**3.2**
2	**Personal consumption expenditures**	**2.4**	**3.4**	**2.7**	**2.6**	**1.8**	**2.9**	**2.2**	**3.9**	**0.5**	**3.8**	**3.5**	**2.5**	**1.2**
3	Goods	3.4	4.8	3.3	2.7	1.9	5.6	4.1	6.8	-0.6	5.5	4.3	2.6	-0.7
4	Durable goods	3.2	6.6	10.4	7.1	1.9	8.7	7.7						
5	Nondurable goods	3.5	3.9	-0.1	0.6	1.9	4.0	2.3						
6	Services	2.0	2.8	2.4	2.5	1.7	1.7	1.4						
7	**Gross private domestic investment**	**-1.8**	**-1.0**	**-0.4**	**8.1**	**4.9**	**5.7**	**8.8**						
8	Fixed investment	1.9	2.8	3.2	1.7	9.9	4.3	2.6						
9	Nonresidential	-1.2	3.8	4.6	0.0	9.6	7.3	3.4						
10	Structures	-4.0	3.3	12.6	-1.2	12.8	3.8	-5.7						
11	Equipment	-6.4	0.1	0.1	0.9	9.1	9.7	9.8						
12	Intellectual property products	8.7	9.6	5.5	-0.4	8.0	6.6	1.7						
13	Residential	13.7	-1.0	-1.7	7.7	11.1	-5.5	-0.5						
14	Change in private inventories	---	---	---	---	---	---	---						
15	**Net exports of goods and services**	---	---	---	---	---	---	---						
16	Exports	-2.4	3.4	6.1	-3.6	5.0	3.6	3.5						



Federal Statistical Research Data Centers (FSRDC)

- Partnership between federal statistical agencies and leading research institutions
- Secure facilities providing authorized access to restricted-use microdata for statistical purposes only
  - 29 locations across the U.S. (previously only available at statistical agency headquarters)
  - Access to computing capacity to handle large datasets and complex calculations
  - Opportunity for collaboration with other FSRDC researchers across the U.S. through the secure RDC computing environment
- Researchers must meet certain security criteria to participate
- Fee based to defray cost to agencies to participate

Key Take-Aways

- Better Target: Spotlight key areas of stakeholder interest
- Better Communicate: Better educate customers about what information statistical agencies offer and how to find it
- Better Access: Make it easier for data users to explore, download, and merge large government datasets

New Statistical Services

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