



FEDERAL RESERVE BANK *of* ST. LOUIS
CENTRAL TO AMERICA'S ECONOMY®



Taking FRED to the Next Level

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FRED Product Owner

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The views expressed in the presentation are mine and not the views of the Federal Reserve Bank of St. Louis or the Federal Reserve System.

Agenda

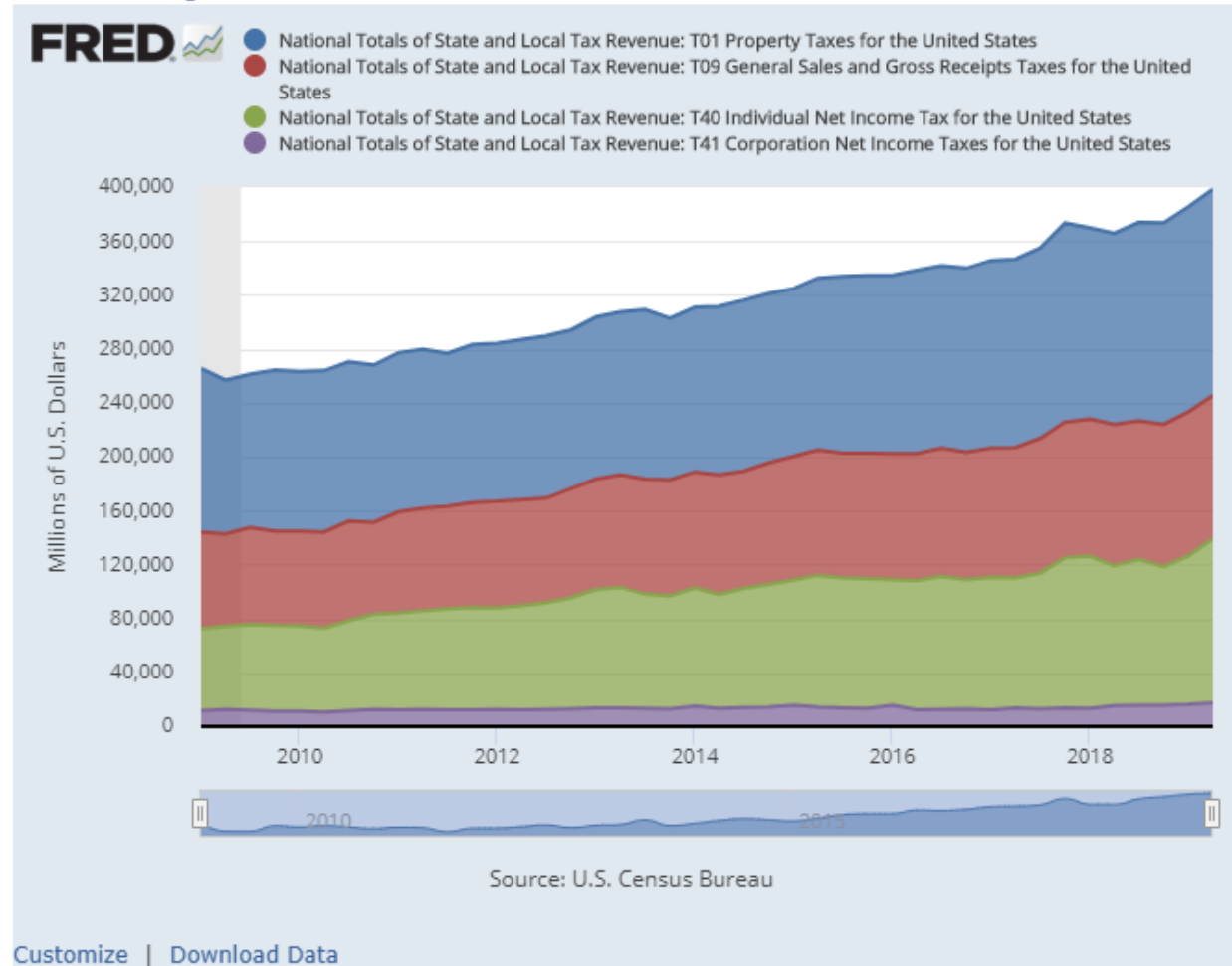
- **FRED**
 - **Graphing capabilities**
 - **Tables**
 - **Data customization**
- **Alfred**
- **GeoFRED**
 - **Create, customize, and share maps of data found in FRED**
- **Dashboards**
- **Keeping up with FRED ecosystem**

Major Data Sources

- Census
 - population, housing, income, foreign trade, ACS data
- BEA
 - GDP, personal income
- BLS
 - inflation, prices, employment, unemployment, labor force, wages, productivity, QCEW
- Equifax
 - Subprime population
- Board of Governors
 - monetary data, financial accounts of the US
- Treasury
 - interest rates, treasury statement, public debt
- FBI
 - crime statistics
- FHFA
 - housing

FRED Adds Quarterly Summary of State and Local Government Tax Revenue

Posted on August 2, 2019

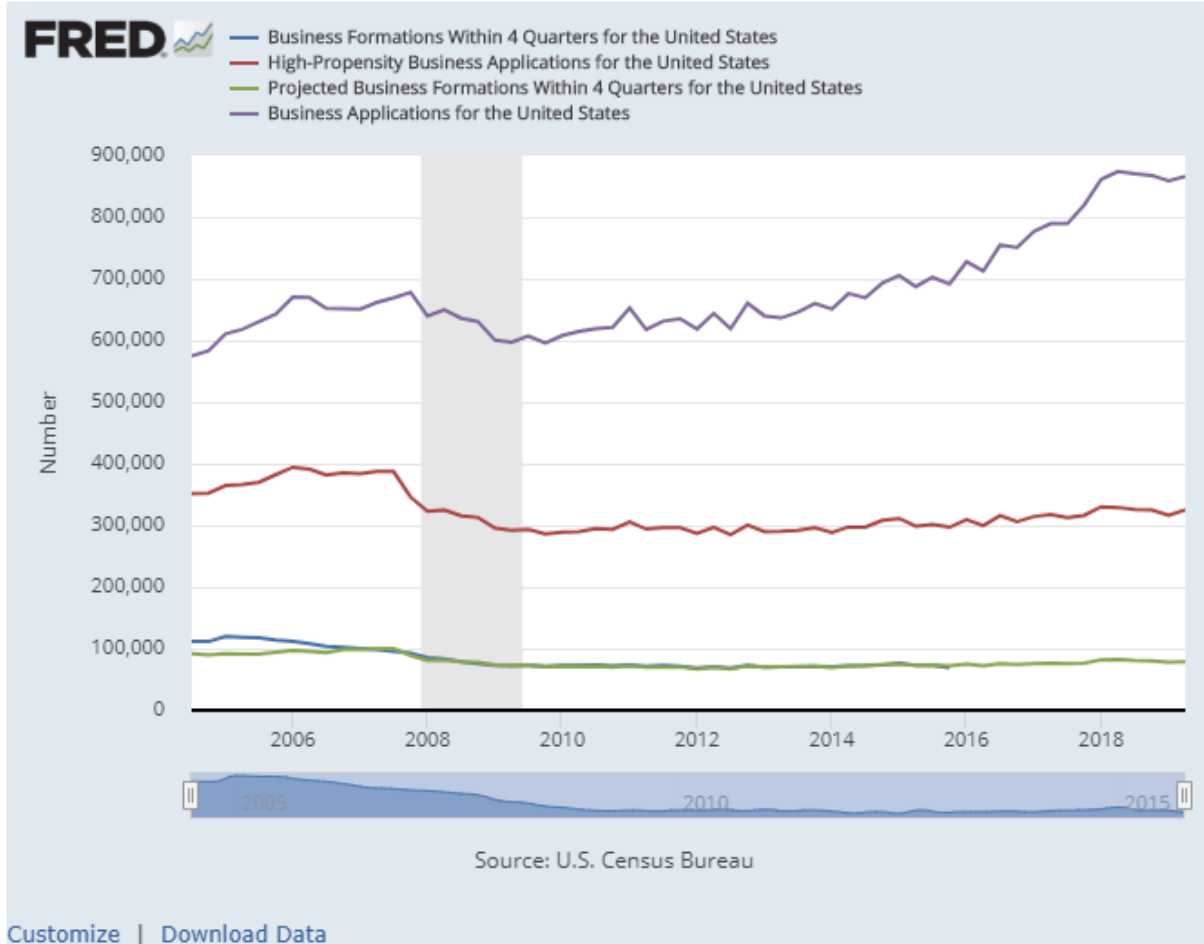


FRED has added [1,398 quarterly series](#) on state and local government tax revenue at a national level as well as detailed tax revenue data for individual states. This [quarterly summary](#), which has been published by the U.S. Census Bureau since 1962, is the most current national information available for government tax collections. The data are also available in [release tables](#).

Posted in [FRED Announcements](#)

FRED Adds Business Formation Statistics

Posted on March 26, 2019



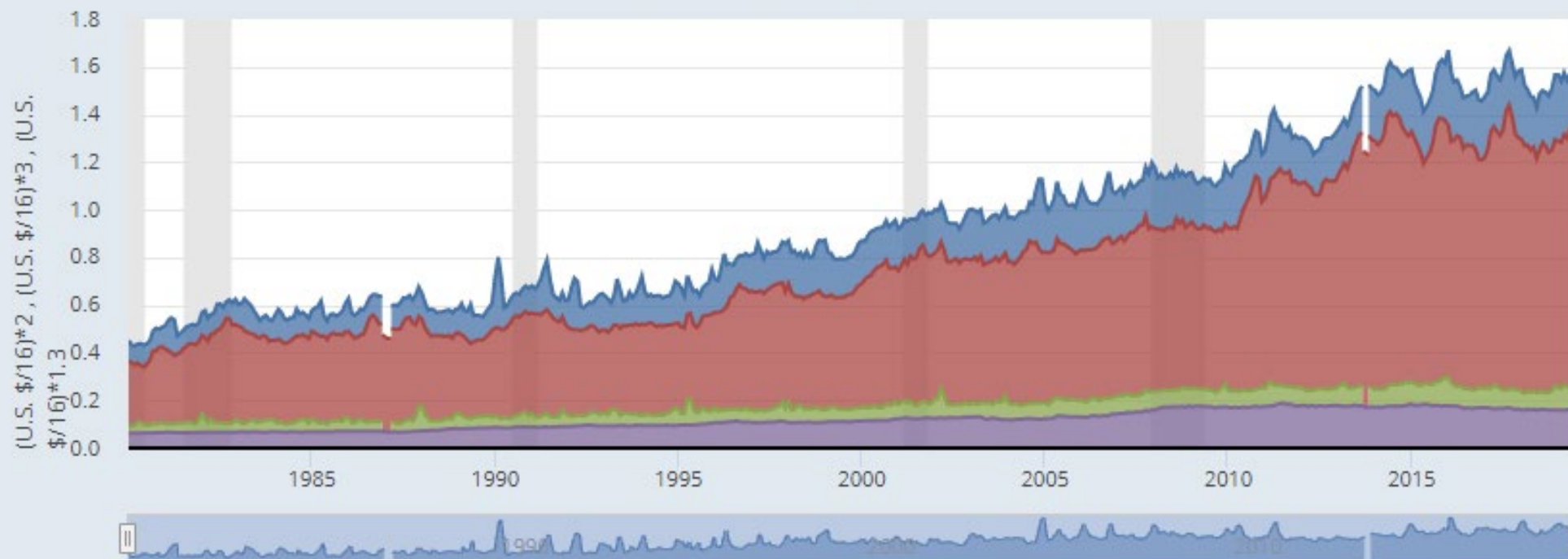
FRED has added 1,144 series from the U.S. Census Bureau's [Business Formation Statistics](#) release. The Census Bureau developed this release in collaboration with economists affiliated with the Federal Reserve Board, Federal Reserve Bank of Atlanta, University of Maryland, and University of Notre Dame. The data represent the number of business applications, actual and projected business formations originating from business applications, and the delay in business formations as indicated by the average duration between business applications and business formations for the United States, including each state.

Posted in [FRED Announcements](#)

FRED blog: The price of a BLT

FRED

- (Tomatoes, Field Grown, Per Lb. (453.6 Gm) in U.S. City Average/16)*2
- (Bacon, Sliced, Per Lb. (453.6 Gm) in U.S. City Average/16)*3
- (Lettuce, Iceberg, Per Lb. (453.6 Gm) in U.S. City Average/16)*1.3
- (Bread, White, Pan, Per Lb. (453.6 Gm) in U.S. City Average/16)*2



Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Labor Statistics

myf.red/g/oZoR

[Customize](#) | [Download Data](#)

Suggested by [Diego Mendez-Carbajo](#) and [Maria Arias](#).

Download, graph, and track **590,000** US and international time series from **87** sources.

Search FRED data e.g., gdp, inflation, unemployment



Browse data by Tag, Category, Release, Source, Release Calendar or Get Help

FRED News

FRED Expands Economic Policy Uncertainty Data

FRED Adds Sahm Rule Recession Indicators

FRED Blog

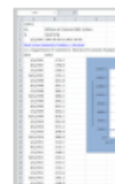
Households' lightening debt load

Research News

Is fear chilling the economy?

Get FRED data directly in Excel[®]

One-click instant download with the FRED Add-in for Microsoft[®] Excel[®].



ECONOMIC DATA | ST. LOUIS FED

AT A GLANCE

POPULAR SERIES

LATEST RELEASES

TOOLS

NEED HELP?

Consumer Price Index for All Urban Consumers: All Items
+1.7 % Chg. from Yr. Ago on Sep 2019



Real Gross Domestic Product
2.0 % Chg. from Preceding Period on Q2 2019



Industrial Production Index
+0.6 % Chg. on Aug 2019



10-Year Treasury Constant Maturity Rate
1.67 % on 2019-10-10



U.S. / Euro Foreign Exchange Rate
1.0974 U.S. \$ to 1 Euro on 2019-10-04



Civilian Unemployment Rate
3.5 % on Sep 2019



All Employees: Total Nonfarm Payrolls
+136 Chg., Thous. of Persons on Sep 2019



4-Week Moving Average of Initial Claims
213750 on 2019-10-05



Categories > U.S. Regional Data > States > Georgia > MSAs > Savannah, GA

★ Unemployment Rate in Savannah, GA (MSA) (SAVA313UR)

DOWNLOAD

Observation:
Aug 2019: 3.4 (+ more)
Updated: Oct 2, 2019

Units:
Percent,
Smoothed Seasonally Adjusted

Frequency:
Monthly

1Y | 5Y | 10Y | Max

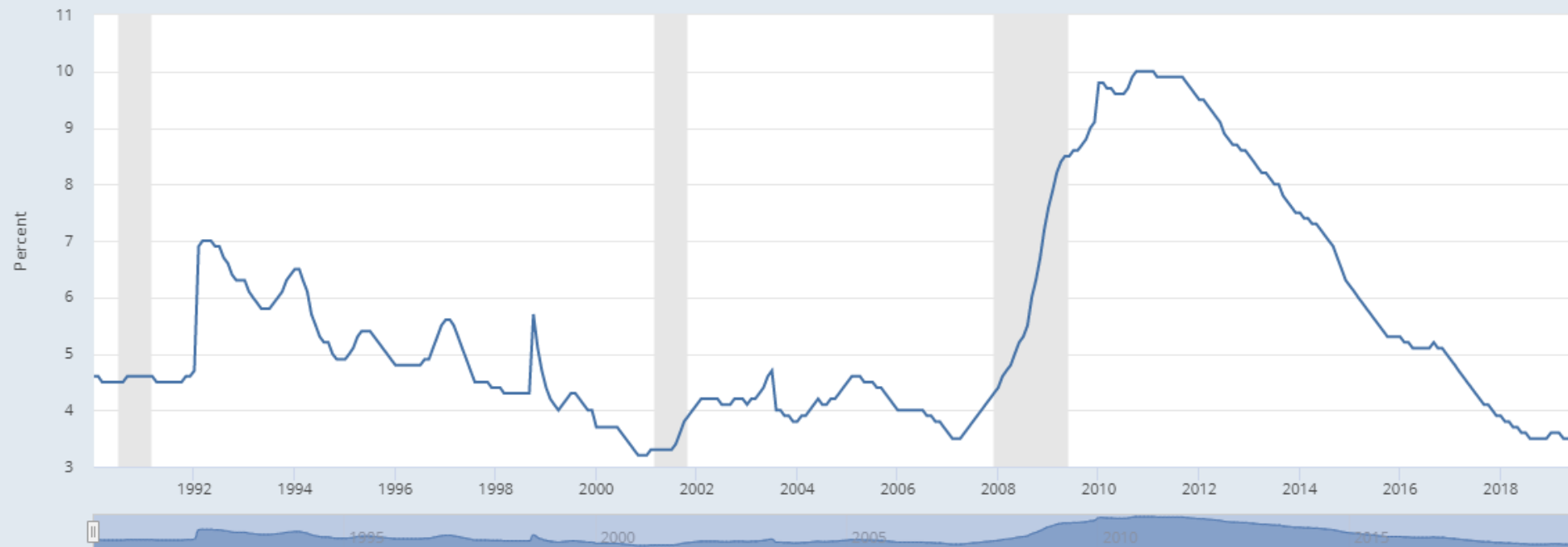
1990-01-01

to

2019-08-01

EDIT GRAPH

FRED — Unemployment Rate in Savannah, GA (MSA)



Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Labor Statistics

fred.stlouisfed.org

Share Links

Account Tools



☆ Unemployment Rate in Savannah, GA (MSA) (SAVA313UR)

Observation:
Aug 2019: 3.4 (+ more)
Updated: Oct 2, 2019

Units:
Percent,
Smoothed Seasonally Adjusted

Frequency:
Monthly

1Y | 5Y | 10Y | Max to

EDIT LINE 1

ADD LINE

FORMAT



Add data series to graph:

Type keywords to search for data

Add data series

Create user-defined line? [+]

FRED

Unemployment Rate in Savannah, GA (MSA)



Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Labor Statistics

fred.stlouisfed.org

Share Links

Account Tools



FRED Graph

DOWNLOAD 

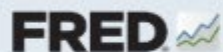
1Y | 5Y | 10Y | Max

1990-01-01

to

2019-09-01

EDIT GRAPH 



— Unemployment Rate in Savannah, GA (MSA)
— Unemployment Rate




Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Labor Statistics

fred.stlouisfed.org

Share Links 

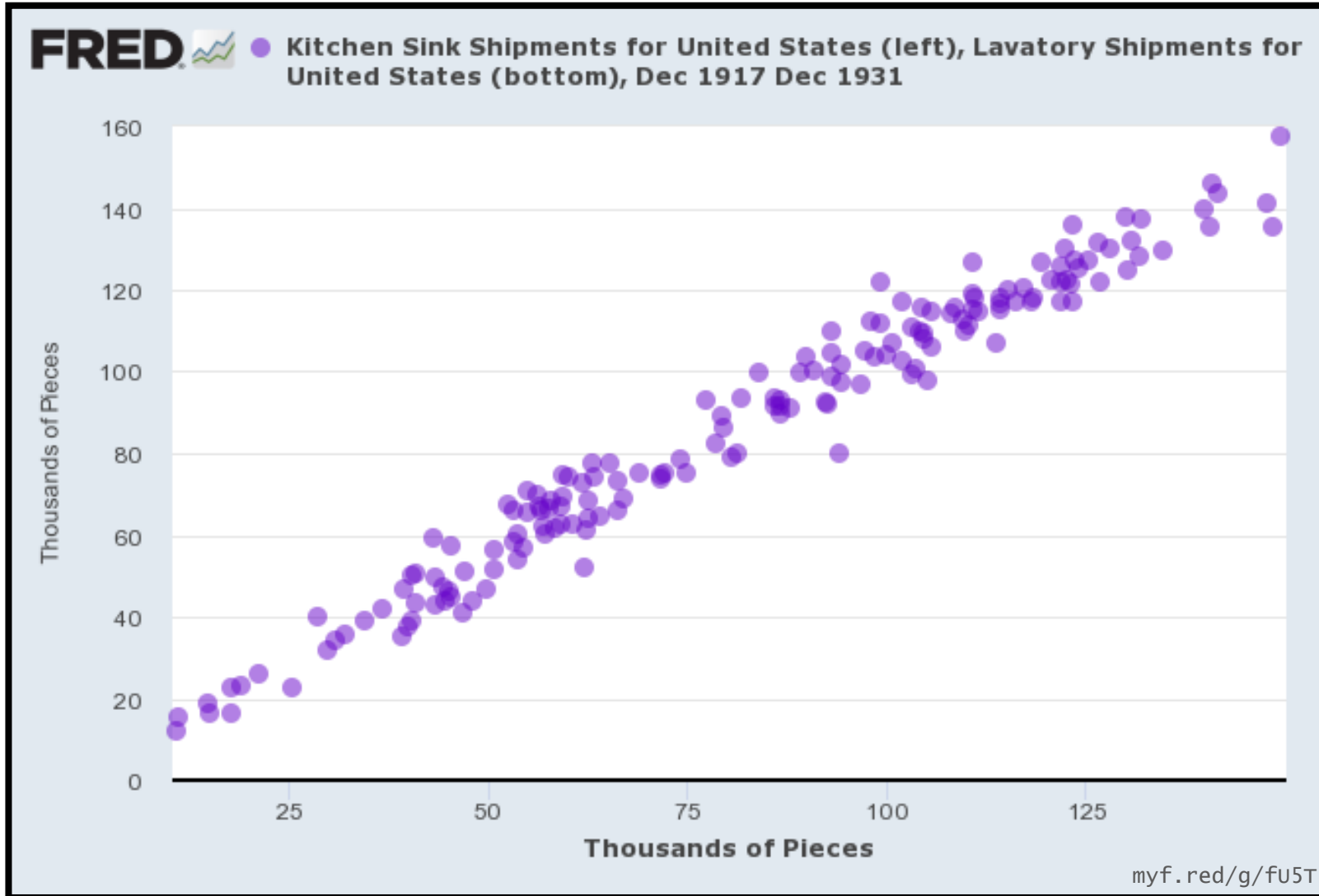
Account Tools 



Multi Line Graphs



Kitchen Sinks and Lavatories Scatter Plot



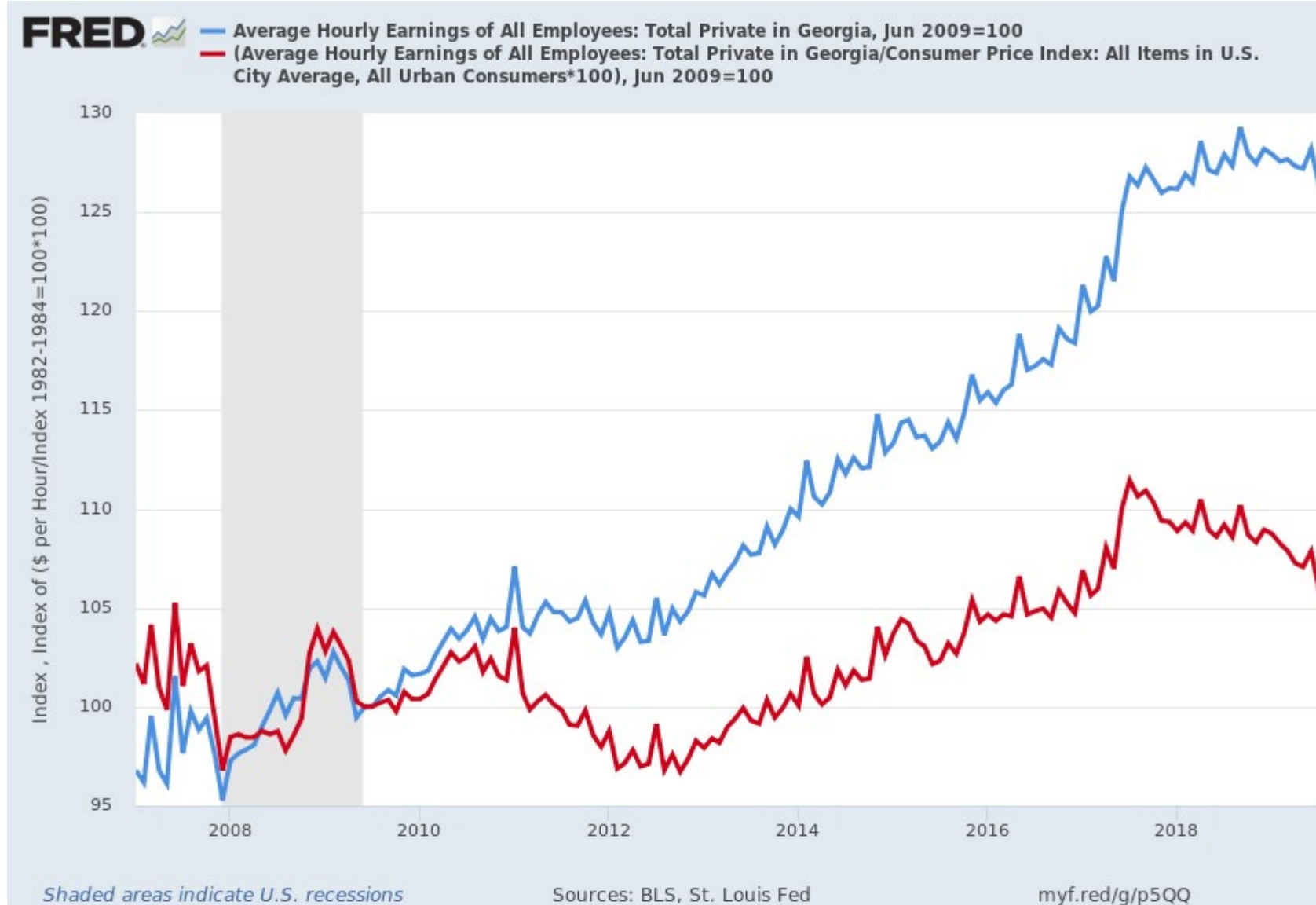
EDIT PLOTS ² ADD PLOT FORMAT X

Graph type: Scatter ▾ Width: 1168

Reception shading: Off ▾ Height: 450



Nominal Becomes Real



EDIT LINES ² ADD LINE FORMAT X

EDIT LINE 2

(a) Average Hourly Earnings of All Employees: Total Private in Georgia, Dollars per Hour, Seasonally Adjusted (SMU13000000500000003SA)

Units: Dollars per Hour

(b) Consumer Price Index: All Items in U.S. City Average, All Urban Consumers, Index 1982-1984=100, Seasonally Adjusted (CPIAUCSL)

Units: Index 1982-1984=100

Modify frequency: Monthly

Customize data:
Write a custom formula to transform one or more series or combine two or more series.
You can begin by adding a series to combine with your existing series.

Select...

Now create a custom formula to combine or transform the series.
[Need help? \[+\]](#)

Formula:

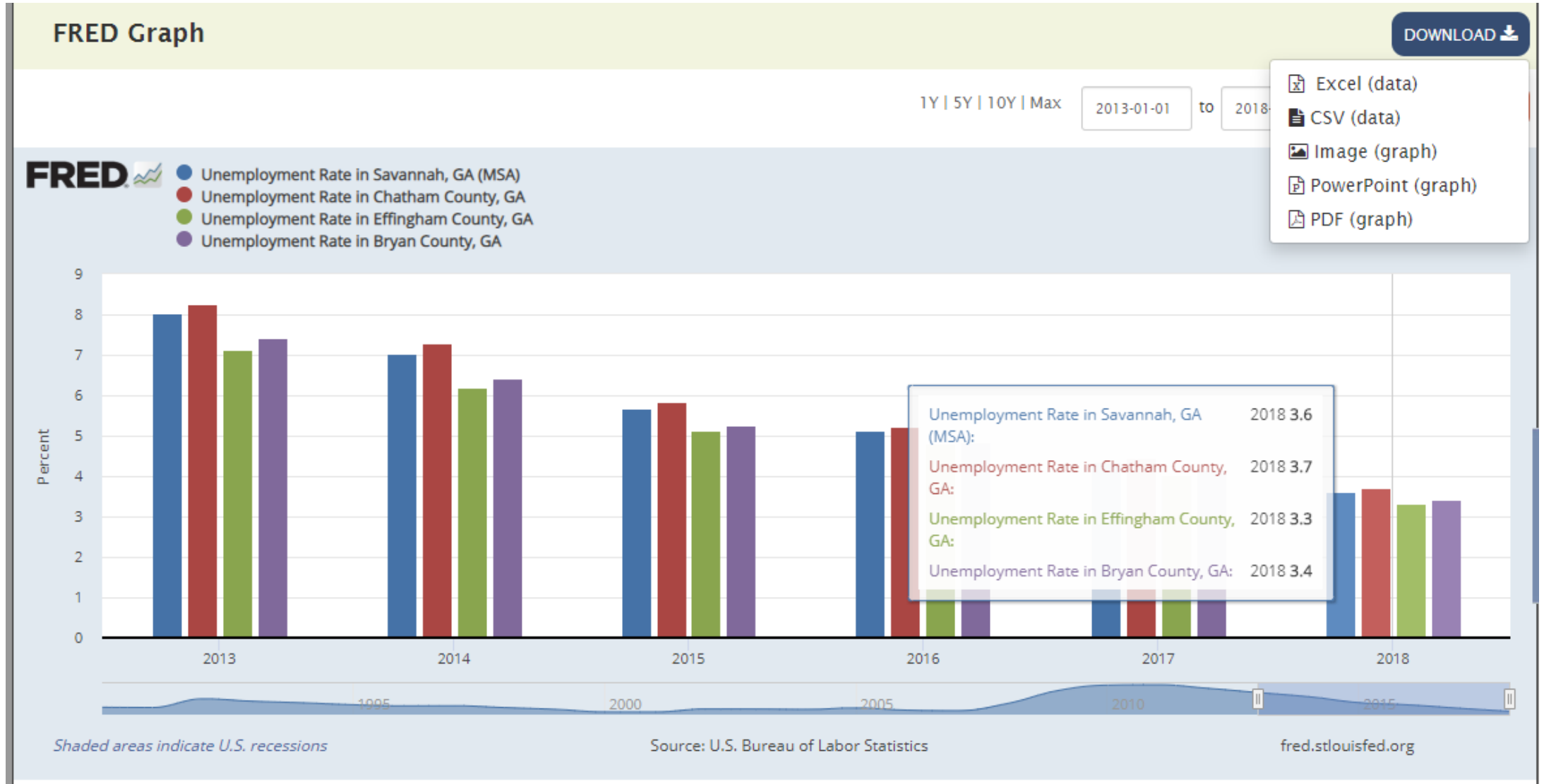
Finally, you can change the units of your new series.

Units:

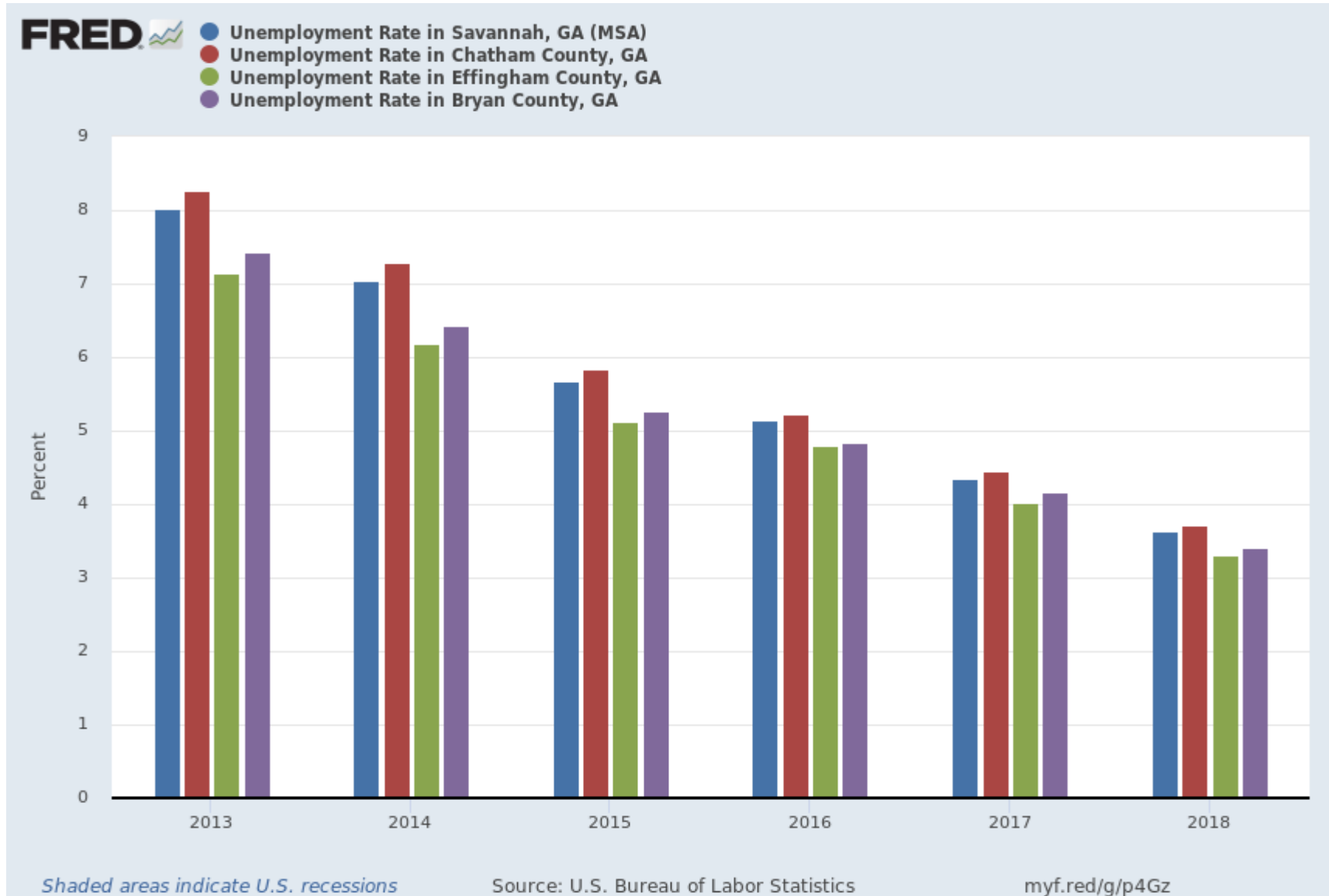
Select a date that will equal 100 for your custom index:

U.S. recession: or

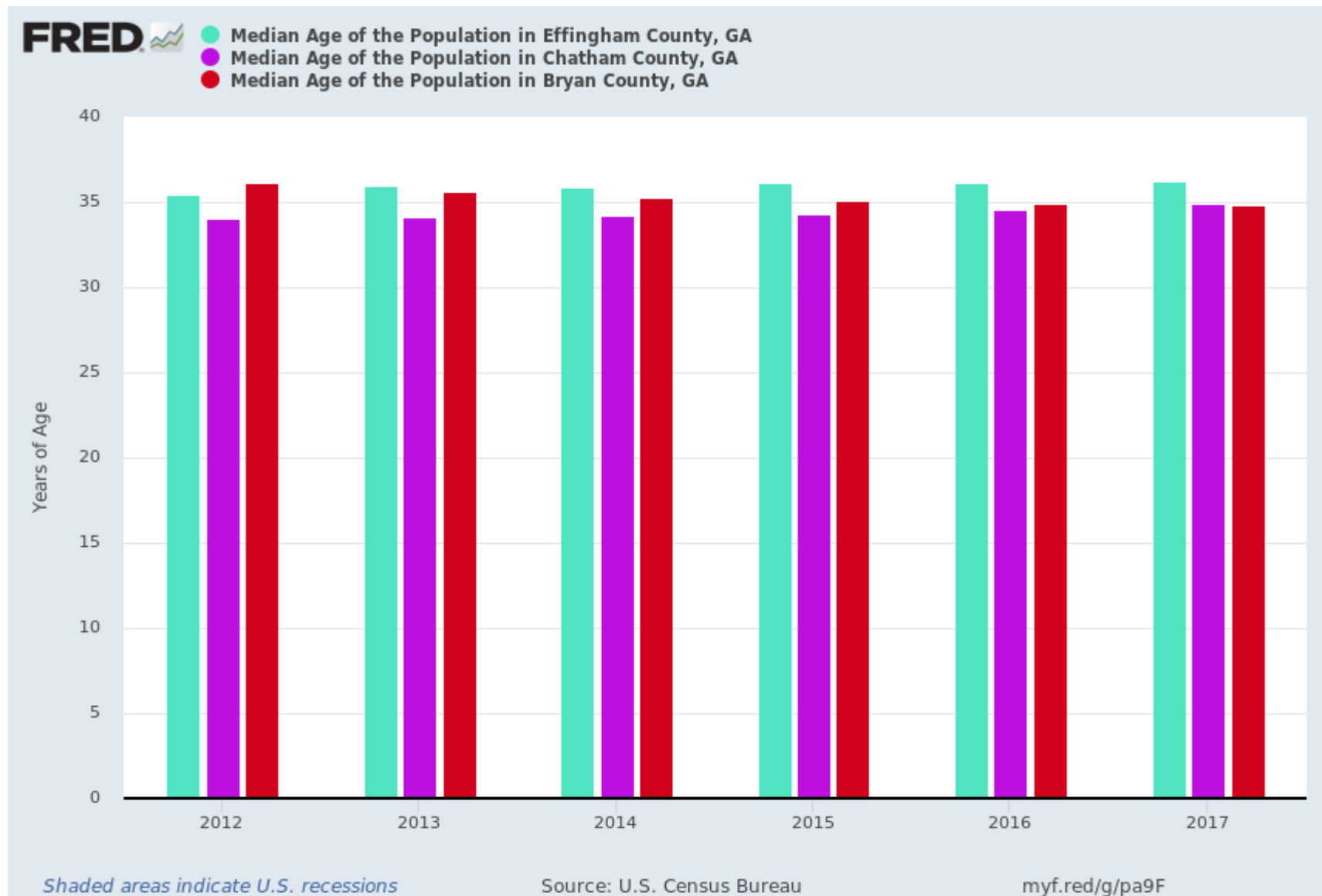
Download data and visuals



Example of PPT download



Is there a map?



Take the trip around the world

RELATED CONTENT

Related Resources



New Private Housing Structures Authorized by Building Permits for Effingham County, GA



Unemployment Rate in Chatham County, GA



Unemployment Rate in Bryan County, GA



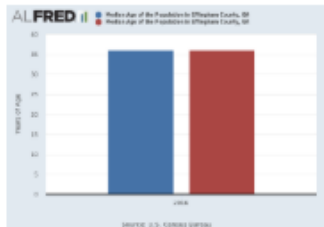
GeoFRED Map
Median Age of the Population in Effingham County, GA



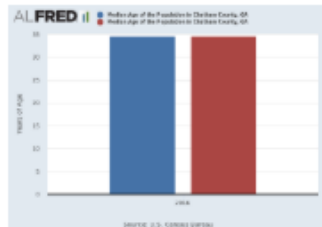
GeoFRED Map
Median Age of the Population in Chatham County, GA



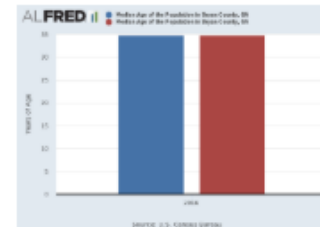
GeoFRED Map
Median Age of the Population in Bryan County, GA



ALFRED Vintage Series
Median Age of the Population in Effingham County, GA

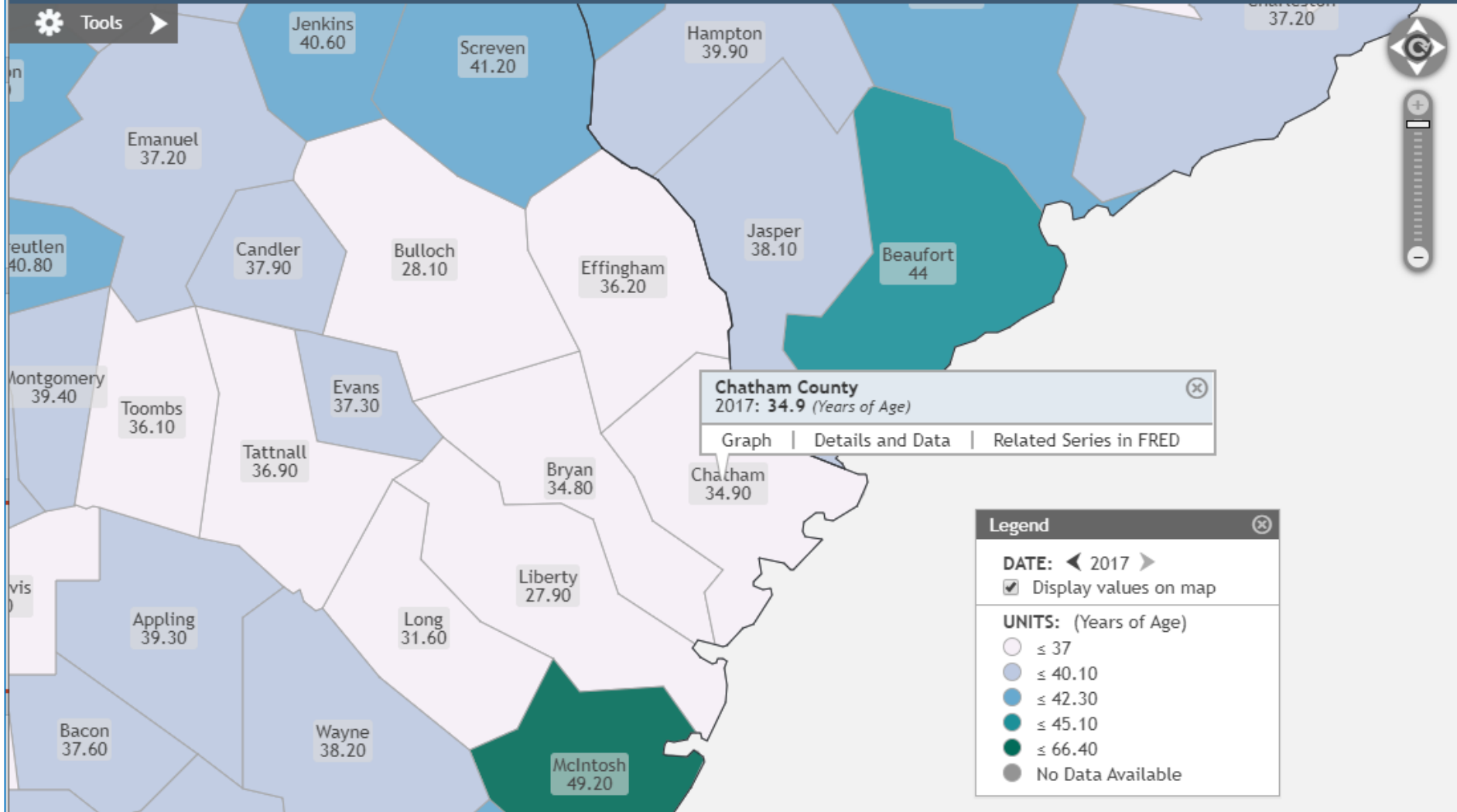


ALFRED Vintage Series
Median Age of the Population in Chatham County, GA



ALFRED Vintage Series
Median Age of the Population in Bryan County, GA

2017 Median Age of the Population by County (years of age)





2017 Median Age of the Population by County (years of age)

Tools

- CHOOSE DATA
- CHOOSE COLORS
- EDIT LEGEND
- EDIT LABELS
- TOOL SETTINGS
- SEARCH FOR LOCATION
- SAVE & SHARE
- DOWNLOAD**

Start Date:

2009

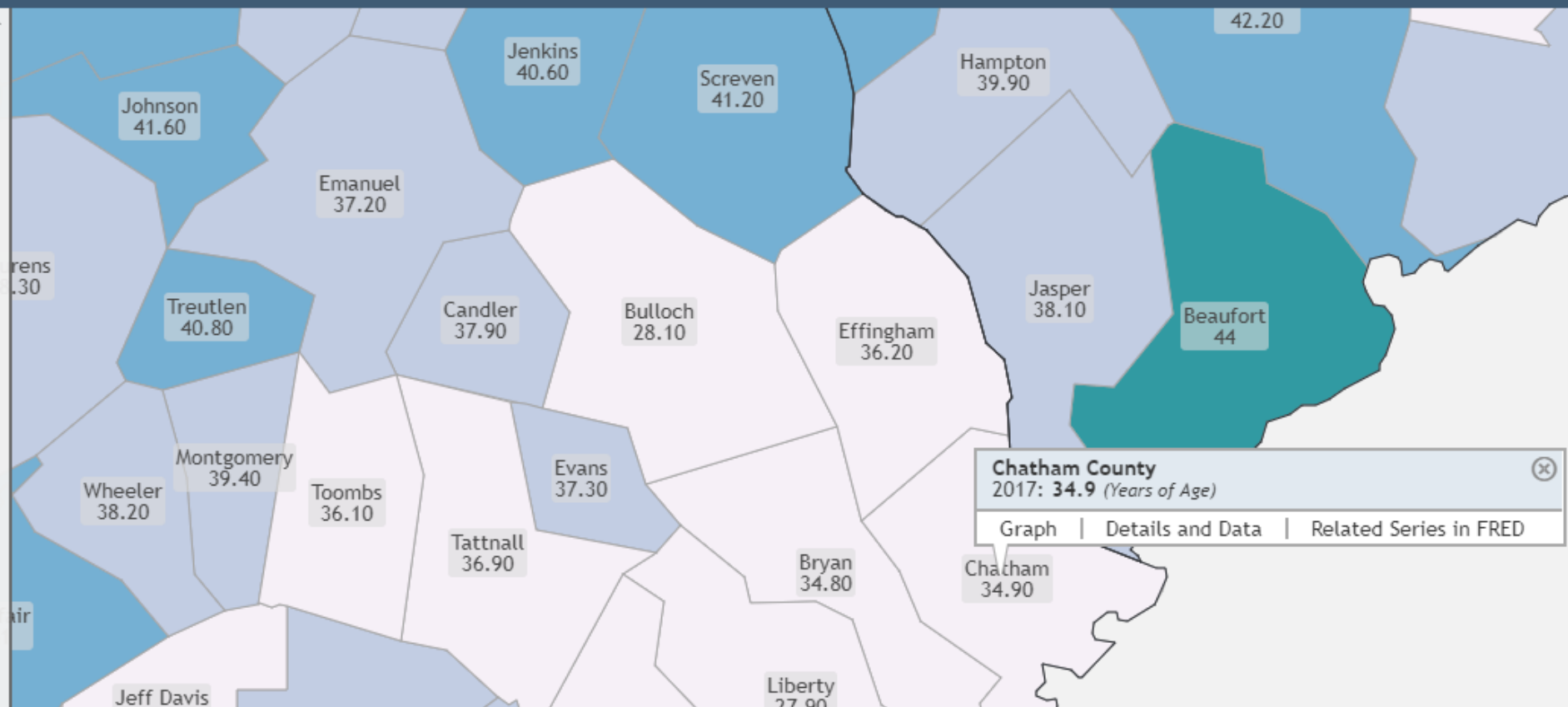
End Date:

2017

Download Type:

- GIF
- JPEG
- PNG
- Spreadsheet
- PDF

Download

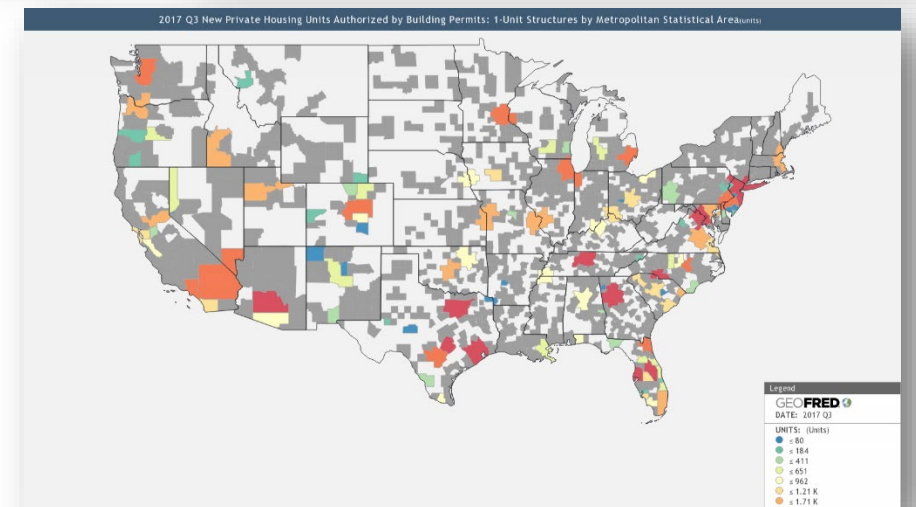
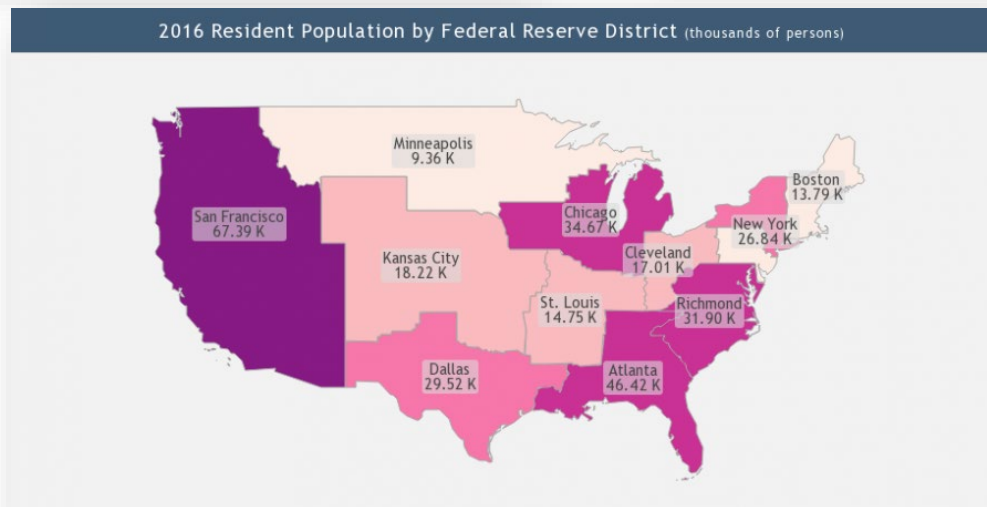
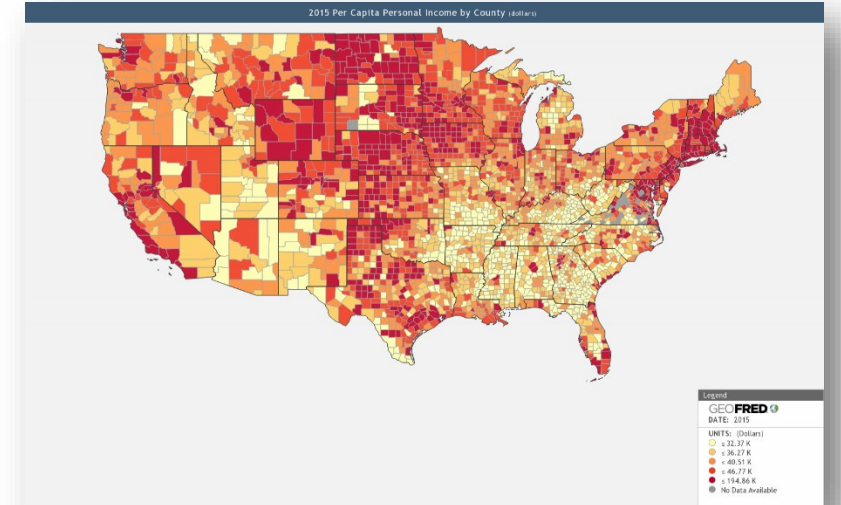
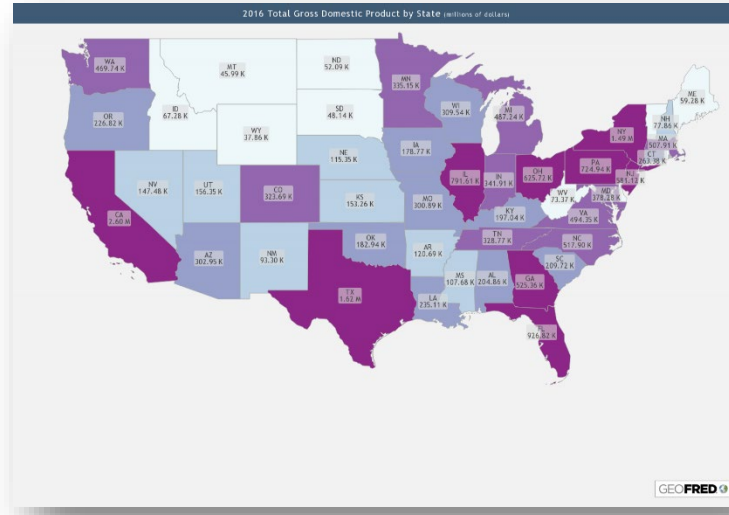
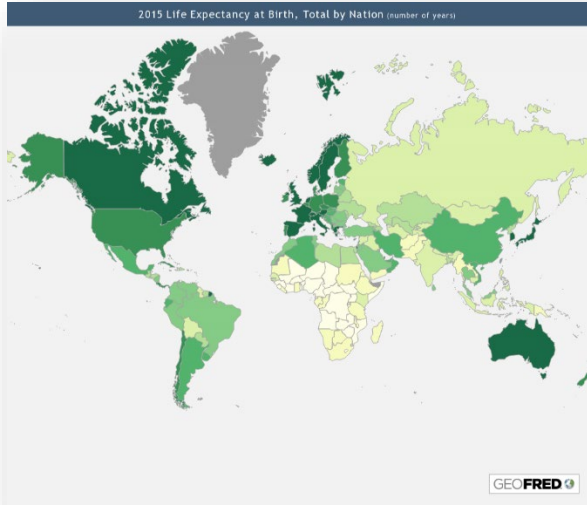


Chatham County
2017: 34.9 (Years of Age)

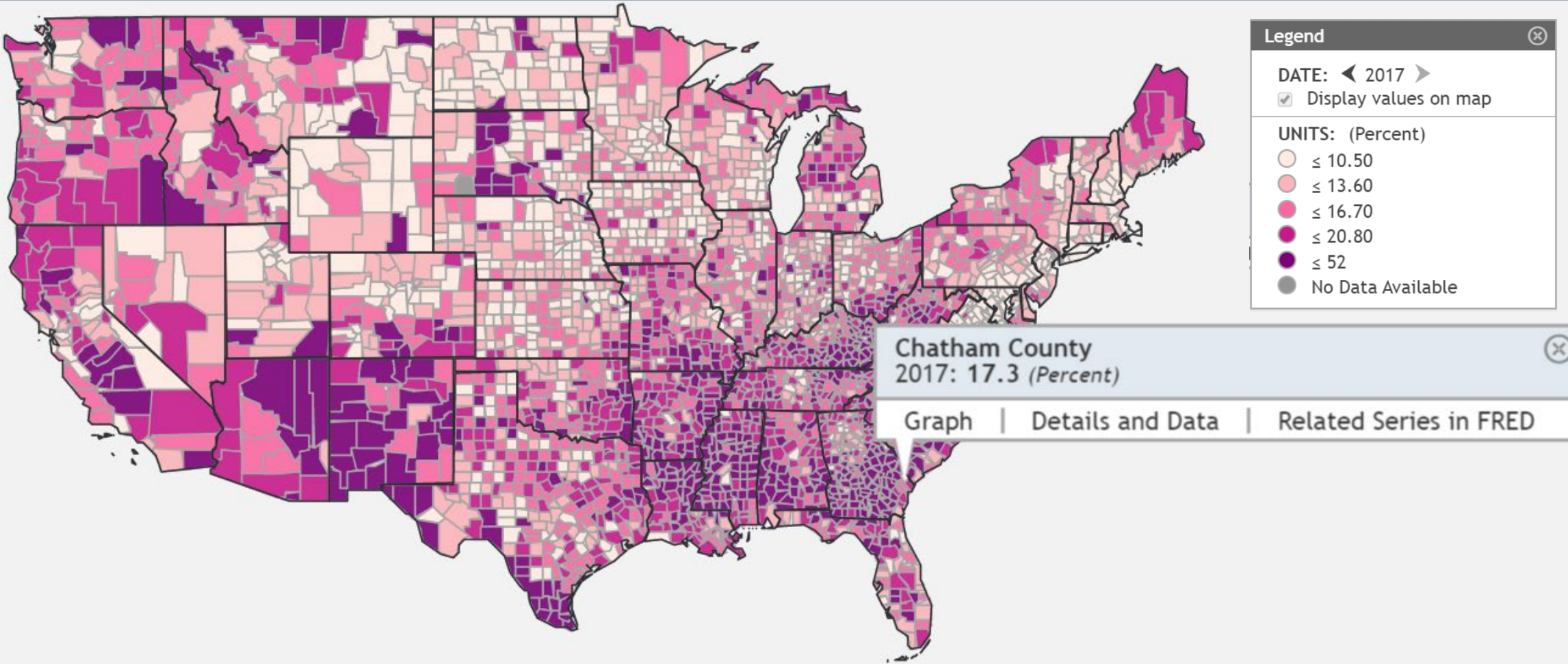
[Graph](#) | [Details and Data](#) | [Related Series in FRED](#)

Median Age of the Population by County (Years of Age)						
A	B	C	D	E	F	
1	Median Age of the Population by County (Years of Age)					
2	Series ID	Region Name	Region Code	2009	2010	2011
3	B01002001E045001	Abbeville County, SC	45001	40.1	41.1	41.9
4	B01002001E022001	Acadia Parish, LA	22001	34.8	35.4	35.7
5	B01002001E051001	Accomack County, VA	51001	41.5	43.9	44.2
6	B01002001E016001	Ada County, ID	16001	33.9	34.4	34.7
7	B01002001E029001	Adair County, MO	29001	25.7	28.5	28.6
8	B01002001E021001	Adair County, KY	21001	39.0	38.5	38.4
9	B01002001E040001	Adair County, OK	40001	34.2	35.6	36.0
10	B01002001E019001	Adair County, IA	19001	45.3	44.8	45.0
11	B01002001E018001	Adams County, IN	18001	34.2	34.2	34.3
12	B01002001E053001	Adams County, WA	53001	29.6	29.6	29.5
13	B01002001E055001	Adams County, WI	55001	46.6	47.7	48.3
14	B01002001E016003	Adams County, ID	16003	45.4	46.1	49.1
15	B01002001E039001	Adams County, OH	39001	38.1	39.0	39.5
16	B01002001E019003	Adams County, IA	19003	45.7	45.7	46.0
17	B01002001E031001	Adams County, NE	31001	36.3	37.5	37.7
18	B01002001E008001	Adams County, CO	08001	32.0	32.2	32.2
19	B01002001E028001	Adams County, MS	28001	40.8	39.4	40.6
20	B01002001E017001	Adams County, IL	17001	40.3	40.4	40.3
21	B01002001E042001	Adams County, PA	42001	39.4	40.2	40.8
22	B01002001E038001	Adams County, ND	38001	49.5	49.5	49.5
23	B01002001E050001	Addison County, VT	50001	39.6	40.4	41.1
24	B01002001E045003	Aiken County, SC	45003	39.4	39.6	40.0
25	B01002001E027001	Aitkin County, MN	27001	50.5	50.7	51.3

Cross-Sectional Data by Geographies



2017 Percent of Population Below the Poverty Level by County (percent)



• Single parent household	• Homeownership rate	• Premature death	• Mean Commute Time
• Racial dissimilarity index	• Median age	• Subprime population	• House price index
• Unemployment rate	• SNAP recipients	• Disconnected Youth	• Crime Incidents

Release Tables

☆ Total Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over (T16OC2)

DOWNLOAD 

Observation:
2018: **1,711** (+ more)
Updated: Apr 30, 2019

Units:
Thousands of Persons,
Not Seasonally Adjusted

Frequency:
Annual

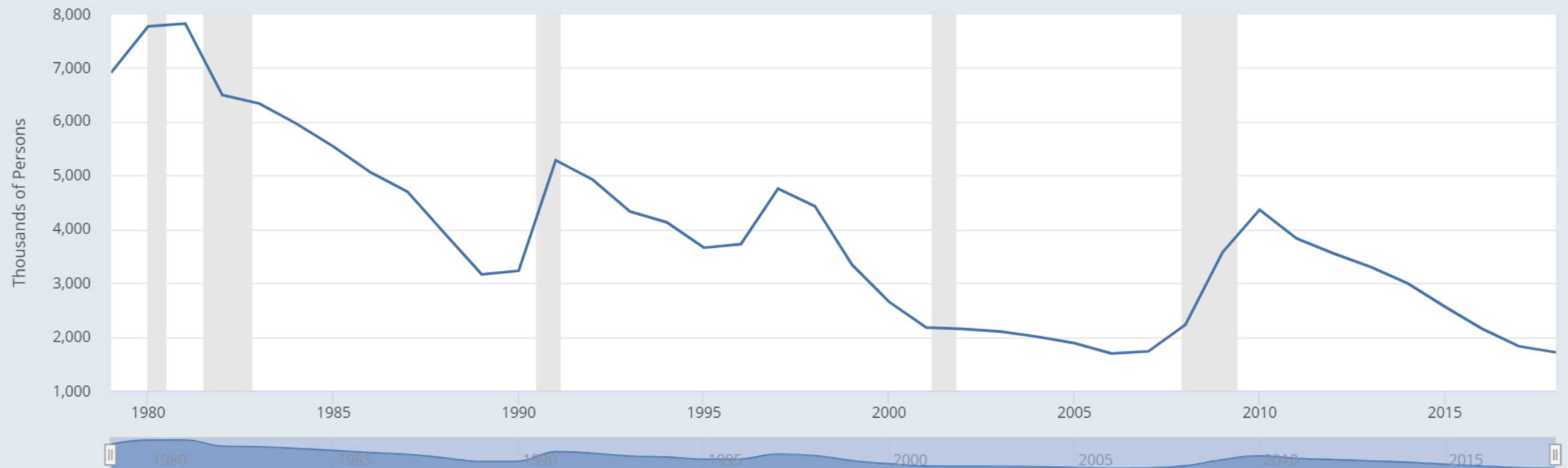
1Y | 5Y | 10Y | Max

1979-01-01 to 2018-01-01

EDIT GRAPH 

FRED 

— Total Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over



Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Labor Statistics

fred.stlouisfed.org

NOTES

Source: [U.S. Bureau of Labor Statistics](#)  **Release:** [Characteristics of Minimum Wage Workers](#) 

Units: Thousands of Persons, Not Seasonally Adjusted

Frequency: Annual

Wage and salary workers are workers age 16 and older who receive wages, salaries, commissions, tips, payments in kind, or piece rates on their sole or principal job. This group includes employees in both the private and public sectors.

Workers paid by the hour are employed wage and salary workers who report that they are paid at an hourly rate on their job. Estimates of workers paid by the hour include both full-time and part-time workers unless otherwise specified. All self-employed workers are excluded whether or not their businesses are incorporated.

The estimates of workers paid at or below the federal minimum wage are based solely on the hourly wage they report (which does not include overtime pay, tips, or commissions). Salaried workers and other nonhourly paid workers are also excluded. It should be noted that some respondents might round hourly earnings when answering survey questions. As a result, some workers might be reported as having hourly earnings above or below the federal minimum wage when, in fact, they earn the minimum wage.

For more information see <https://www.bls.gov/cps/earnings.htm#minwage>

Suggested Citation:

U.S. Bureau of Labor Statistics, Total Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over [T16OC2], retrieved from FRED, Federal Reserve Bank of St. Louis; <https://fred.stlouisfed.org/series/T16OC2>, October 14, 2019.

RELEASE TABLES

Characteristics of Minimum Wage Workers

 [Number of Workers Paid Hourly Rates with Earnings At or Below Prevailing Federal Minimum Wage by Educational Attainment, Annual, Not Seasonally Adjusted](#)

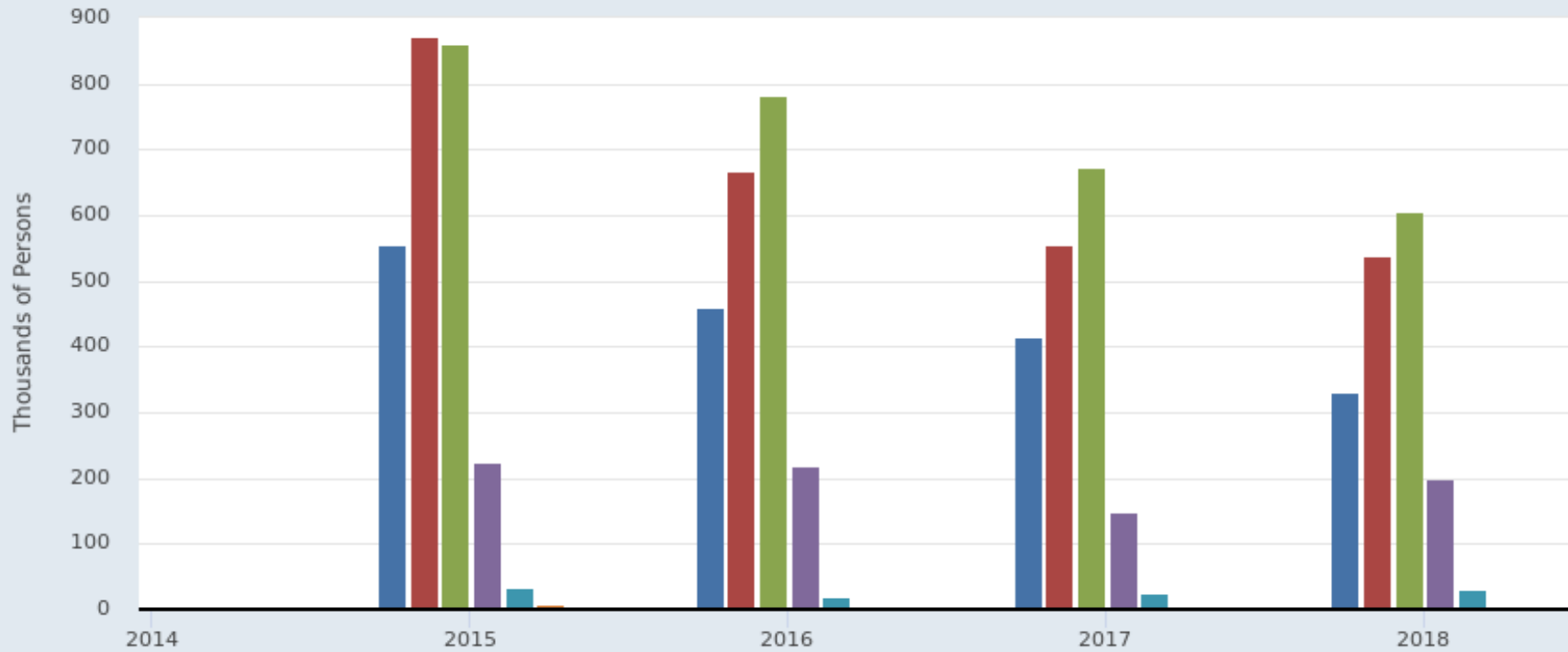
Release Tables:

Number of Workers Paid Hourly Rates with Earnings At or Below Prevailing Federal Minimum Wage by Educational Attainment, Annual, Not Seasonally Adjusted

[Add to Data List](#)[Add to Graph](#)[Expand All](#)[Collapse All](#)[1979](#)[2015](#)[2016](#)[2017](#)[2018](#)

<input type="checkbox"/> Name	Thousands of Persons		
	2018	Preceding Period	Year Ago from Period
<input type="checkbox"/> ▼ Total, 16 Years and Over.....	1,711	1,824	1,824
<input type="checkbox"/> ▼ Less than a High School Diploma.....	330	415	415
<input type="checkbox"/> Less than 1 Year of High School.....	39	46	46
<input type="checkbox"/> 1 to 3 Years of High School.....	242	325	325
<input type="checkbox"/> 4 Years of High School, no Diploma.....	49	43	43
<input type="checkbox"/> ▼ High School Graduates or More.....	1,381	1,408	1,408
<input type="checkbox"/> High School Graduates, no College.....	538	554	554
<input type="checkbox"/> ▼ Some College or Associate Degree.....	606	672	672
<input type="checkbox"/> Some College, no Degree.....	469	526	526
<input type="checkbox"/> Associate Degree.....	137	146	146
<input type="checkbox"/> Occupational Program.....	48	66	66
<input type="checkbox"/> Academic Program.....	89	80	80
<input type="checkbox"/> ▼ Bachelor's Degree and Higher.....	237	183	183
<input type="checkbox"/> Bachelor's Degree.....	198	148	148
<input type="checkbox"/> Master's Degree.....	32	25	25
<input type="checkbox"/> Professional Degree.....	3	3	3
<input type="checkbox"/> Doctoral Degree.....	4	6	6

- Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Less than a High School Diploma
- Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: High School Graduates, no College
- Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Some College or Associate Degree
- Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Bachelor's Degree
- Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Master's Degree
- Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Doctoral Degree



Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Labor Statistics

myf.red/g/p9KF

Stored Data List

Workers paid below minimum wage by education attainment

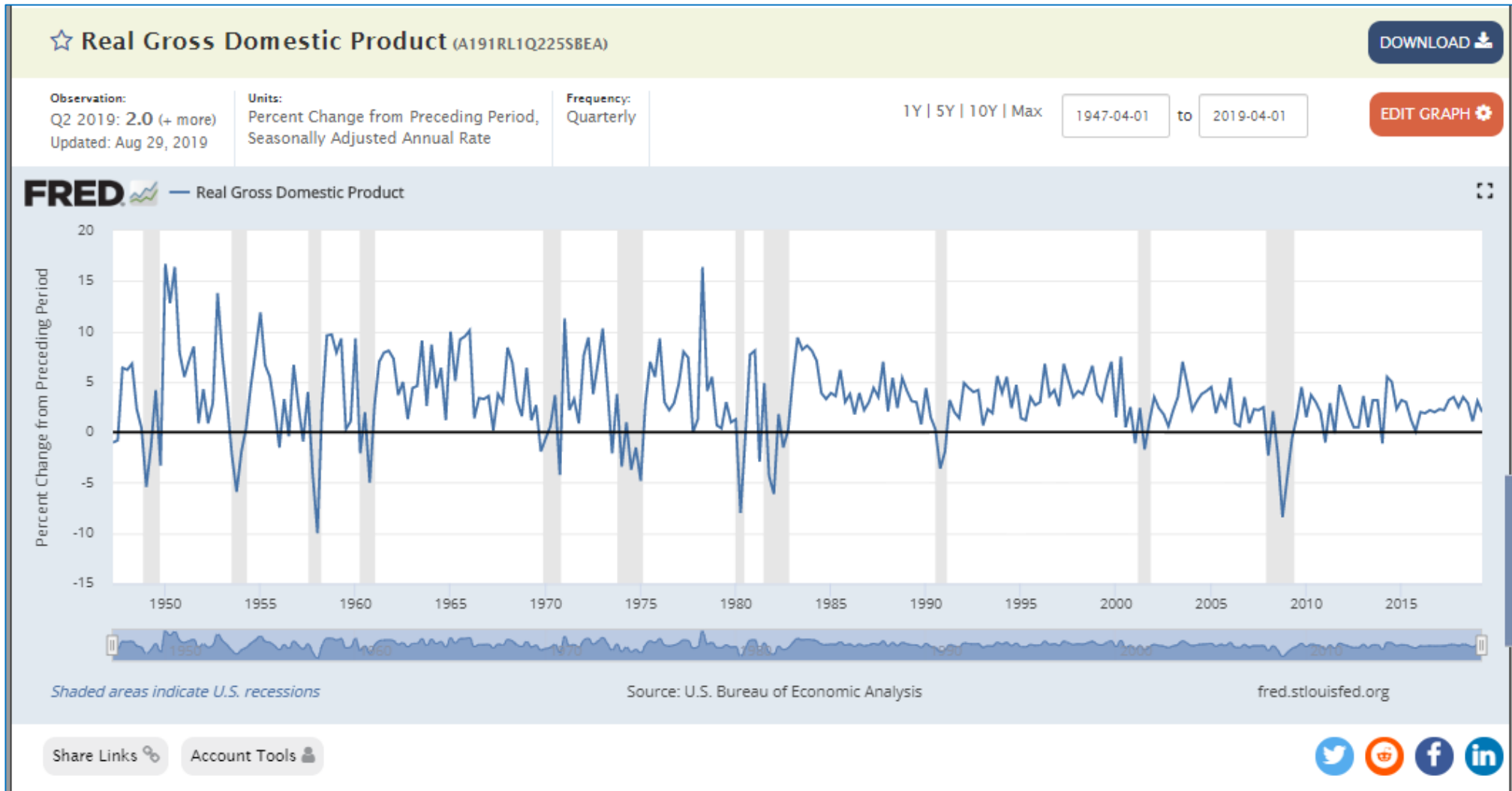


Name	Value
Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Bachelor's Degree	198.0 Thousands of Persons 2018
Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Doctoral Degree	4.0 Thousands of Persons 2018
Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: High School Graduates or more	1381.0 Thousands of Persons 2018
Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Less than a High School Diploma	330.0 Thousands of Persons 2018
Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Master's Degree	32.0 Thousands of Persons 2018
Wage and Salary Workers Paid at or Below Prevailing Federal Minimum Wage: 16 Years and Over: Some College or Associate Degree	606.0 Thousands of Persons 2018

Edit

Download Data

Current vs. Real-time data



RELATED CONTENT

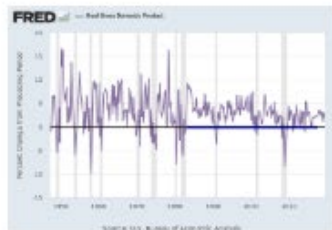
Related Resources



FRASER Historical Document
The National Income and Product Account



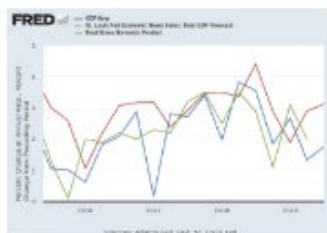
Article
Revisiting GDP Growth Projections



FRED Blog
Moderately well understood



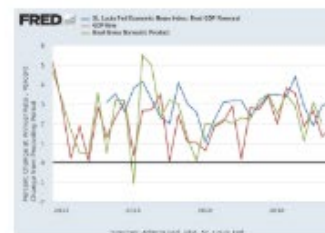
Article
PMI and GDP: Do They Correlate for the United States? For China?



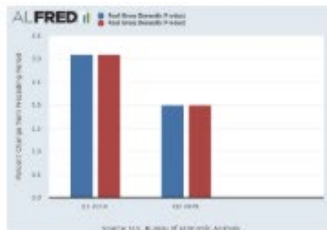
FRED Blog
Diverging forecasts



Play FREDcast
Accurately predict GDP and more to win in this competitive forecasting game.



FRED Blog
Nowcasting current activity



ALFRED Vintage Series
Real Gross Domestic Product

☆ Real Gross Domestic Product (A191RL1Q225SBEA)

DOWNLOAD 

Observation:
Q2 2019: **2.0** (+ more)
Updated: Aug 29, 2019

Units:
Percent Change from Preceding Period,
Seasonally Adjusted Annual Rate

Frequency:
Quarterly



1Y | 5Y | 10Y | Max

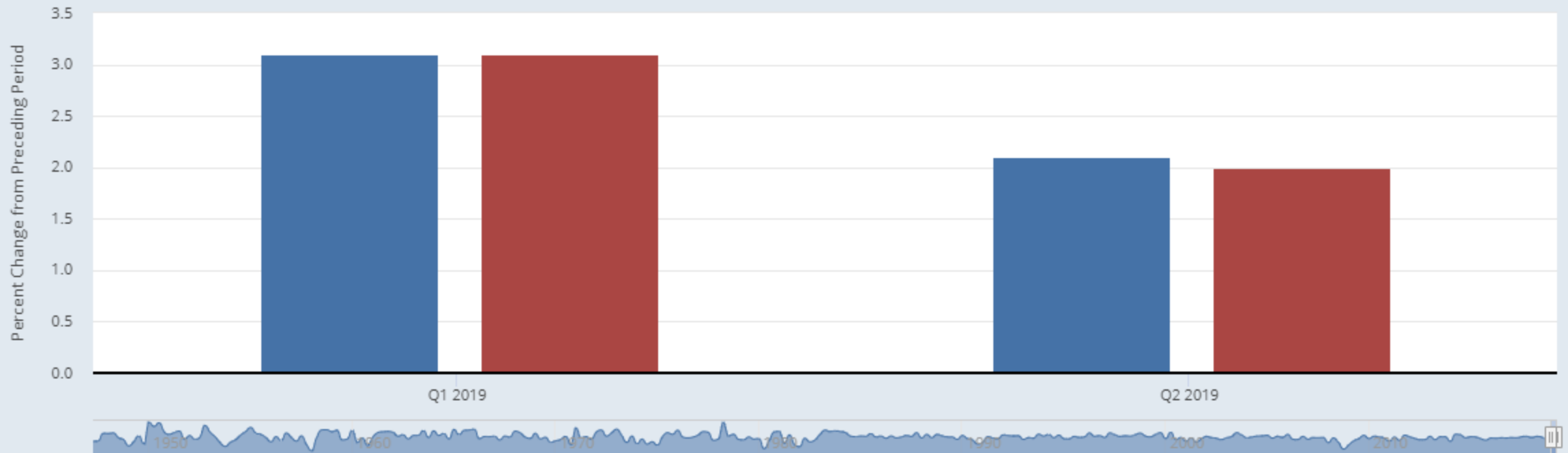
2018-12-31

to 2019-04-01

EDIT GRAPH 

ALFRED 


-  Real Gross Domestic Product Vintage: 2019-07-26
-  Real Gross Domestic Product Vintage: 2019-08-29




Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Economic Analysis

alfred.stlouisfed.org

Share Links 

Account Tools 



★ Real Gross Domestic Product (A191RL1Q225SBEA)

Observation:
Q2 2019: **2.0** (+ more)
Updated: Aug 29, 2019

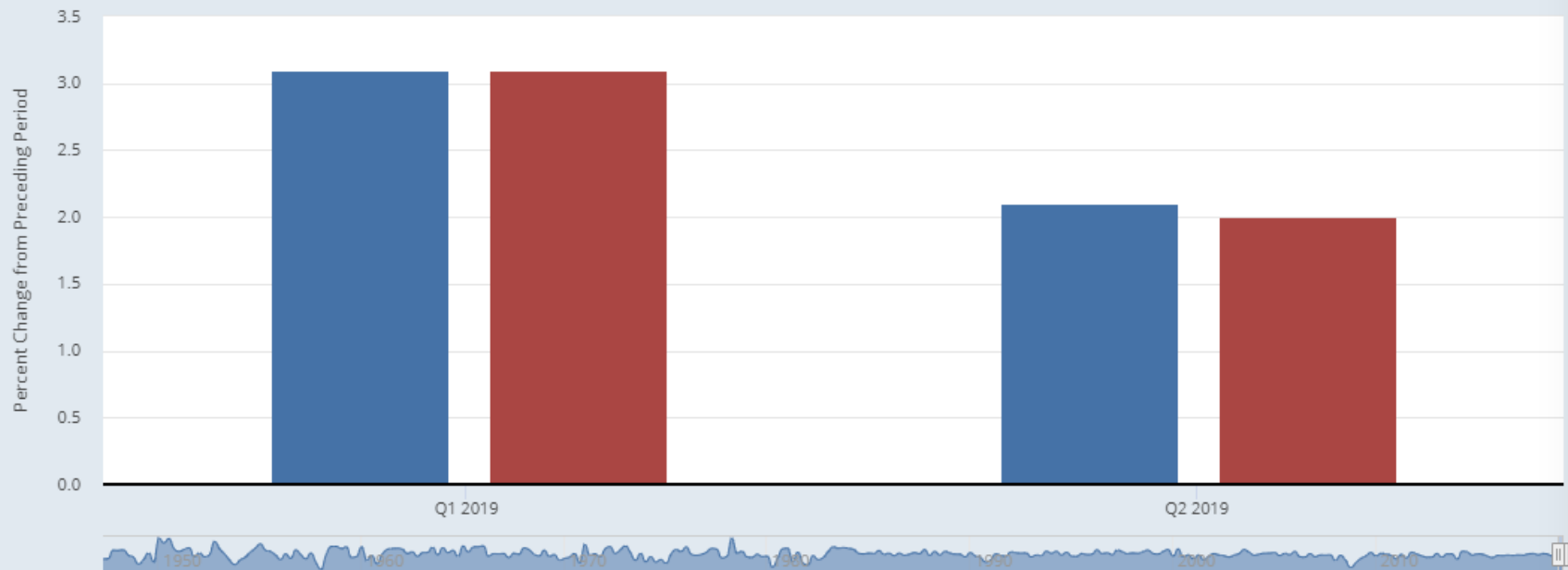
Units:
Percent Change from Preceding Period,
Seasonally Adjusted Annual Rate

Frequency:
Quarterly

1Y | 5Y | 10Y | Max to



- Real Gross Domestic Product Vintage: 2019-07-26
- Real Gross Domestic Product Vintage: 2019-08-29



Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Economic Analysis

alfred.stlouisfed.org

EDIT BARS

ADD BAR

FORMAT



EDIT BAR 1

(a) Real Gross Domestic Product, Percent Change from Preceding Period, Seasonally Adjusted Annual Rate (A191RL1Q225SBEA)

Units:

Percent Change from Preceding Period

As-of date:

2019-07-26

or select a vintage:

Modify frequency:

Quarterly

Customize data:

Write a custom formula to transform one or more series or combine two or more series.

You can begin by adding a series to combine with your existing series.

Select...

Add

Now create a custom formula to combine or transform the series.

Need help? [+]

Formula:

a

Apply

Finally, you can change the units of your new series.

Units:

☆ Real Gross Domestic Product (A191RL1Q225SBEA)

DOWNLOAD 

Observation:

Q2 2019: **2.0** (+ more)

Updated: Aug 29, 2019

Units:

Percent Change from Preceding Period,
Seasonally Adjusted Annual Rate

Frequency:

Quarterly

1Y | 5Y | 10Y | Max

2018-12-31

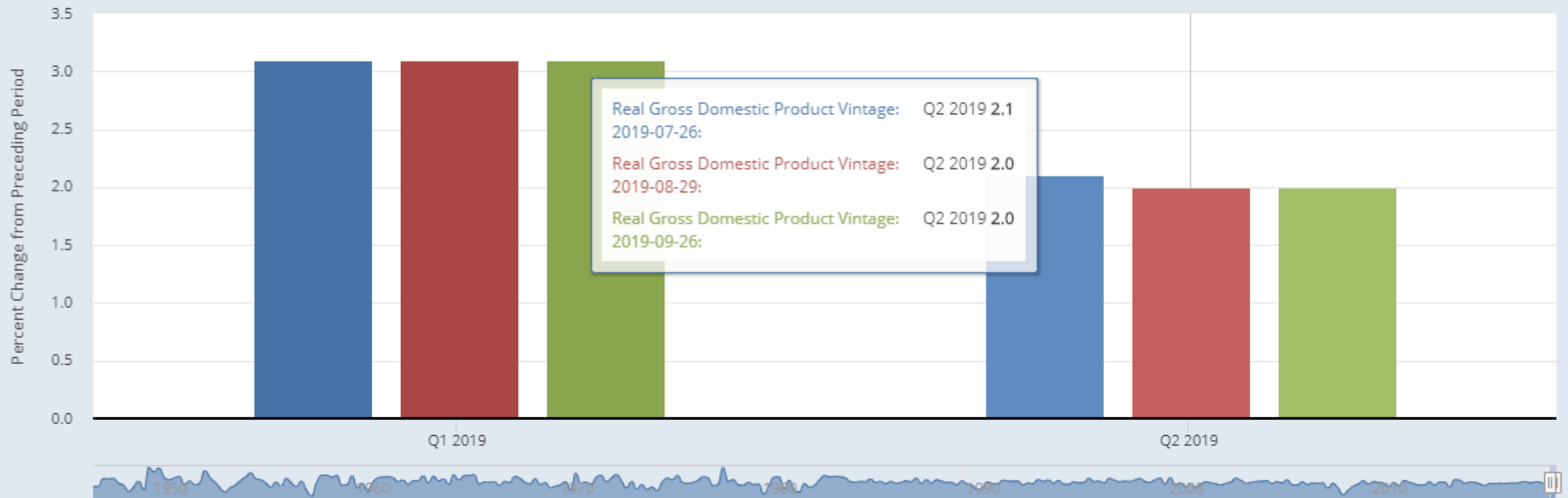
to

2019-04-01

EDIT GRAPH 

ALFRED 


- Real Gross Domestic Product Vintage: 2019-07-26
- Real Gross Domestic Product Vintage: 2019-08-29
- Real Gross Domestic Product Vintage: 2019-09-26




Shaded areas indicate U.S. recessions

Source: U.S. Bureau of Economic Analysis

alfred.stlouisfed.org

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Retain Visuals






FRED Graph

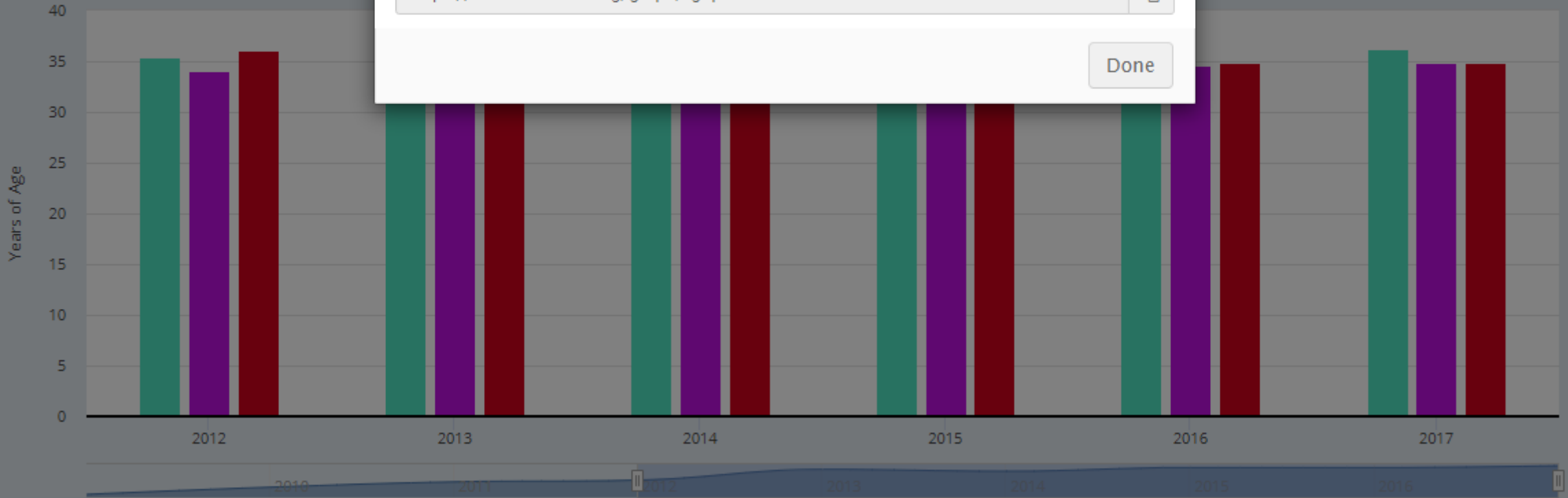
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EDIT GRAPH 

to 2017-01-01


FRED 

-  Median Age of the Popula
-  Median Age of the Popula
-  Median Age of the Popula



Page short URL ✕

- Always chart from 2012-01-01 to the last value available.
- Always chart the last 5 years of data available.
- Always chart from 2012-01-01 to 2017-01-01.


<https://fred.stlouisfed.org/graph/?g=p4GX> 


Done

Shaded areas indicate U.S. recessions

Source: U.S. Census Bureau

fred.stlouisfed.org

Share Links 

Account Tools 

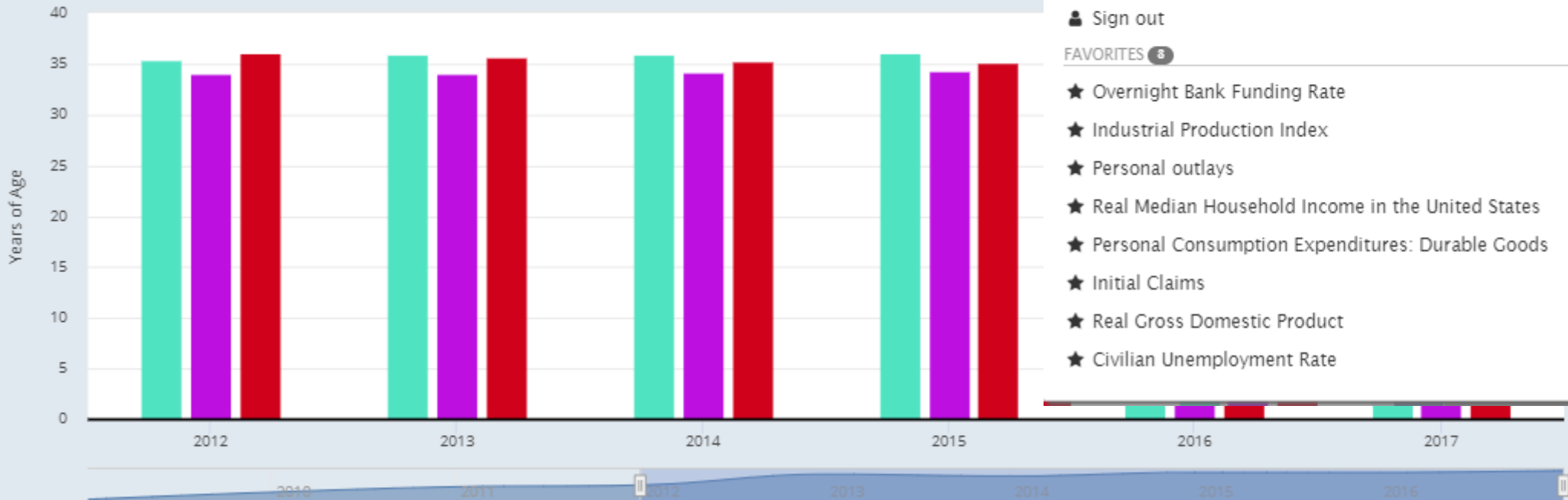


FRED Graph

1Y | 5Y | 10Y

FRED

- Median Age of the Population in Effingham County, GA
- Median Age of the Population in Chatham County, GA
- Median Age of the Population in Bryan County, GA



Shaded areas indicate U.S. recessions

Source: U.S. Census Bureau

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FAVORITES 8

- ★ Overnight Bank Funding Rate
- ★ Industrial Production Index
- ★ Personal outlays
- ★ Real Median Household Income in the United States
- ★ Personal Consumption Expenditures: Durable Goods
- ★ Initial Claims
- ★ Real Gross Domestic Product
- ★ Civilian Unemployment Rate

FRED Graph




DOWNLOAD 

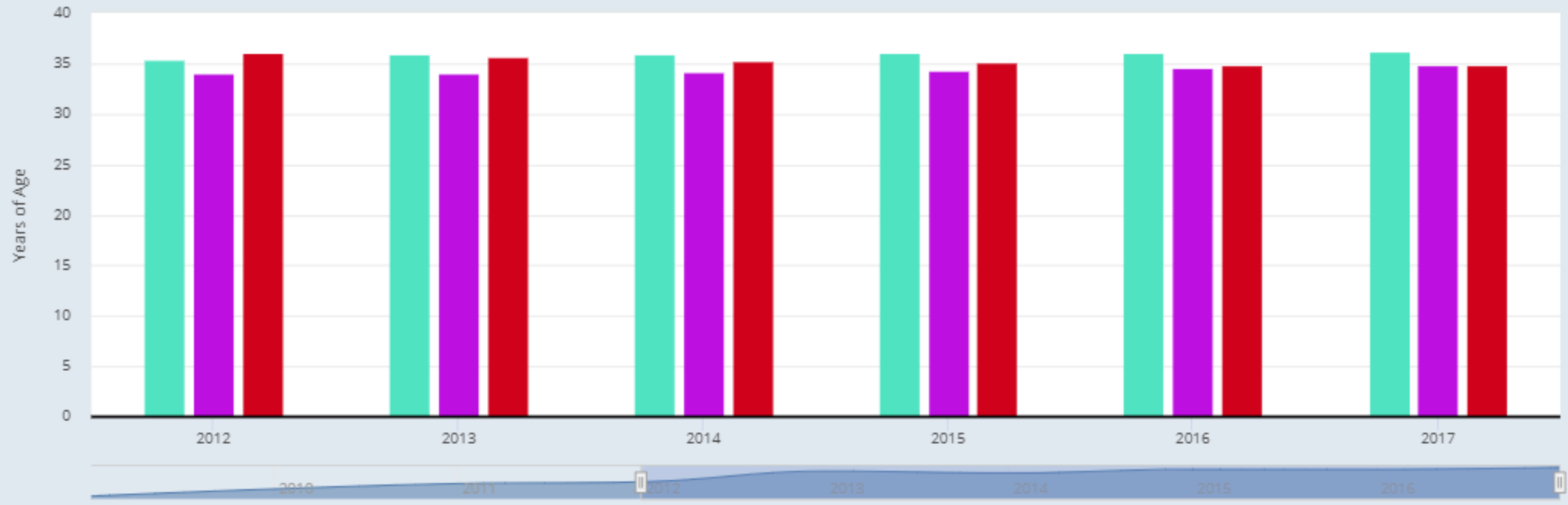
1Y | 5Y | 10Y | Max

2012-01-01 to 2017-01-01

EDIT GRAPH 



-  Median Age of the Population in Effingham County, GA
-  Median Age of the Population in Chatham County, GA
-  Median Age of the Population in Bryan County, GA



Shaded areas indicate U.S. recessions

Source: U.S. Census Bureau





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Share Links 

Account Tools 

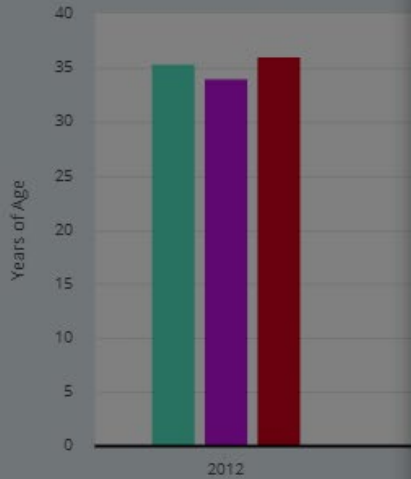


NOTES


-  Save graph
-  Add to Dashboard
-  Add to data list
-  Get email notification


Median Age of the Population in Effingham County, GA (B01002001E013103)

FRED Graph



Shaded areas indicate U.S. recessions

Share Links 

Account Tools 

NOTES

Median Age of the Population in Effi

Add to Dashboard ✕

Select a Dashboard:

AUBER 2019 ▾


Graph Name:

 Unemployment by County

Observation Range:

- Always chart from 2012-01-01 to the last value available.
- Always chart the last 5 years of data available.
- Always chart from 2012-01-01 to 2017-01-01.

Category: No Category (Default)

- No Category (Default) 
- International
 - ↳ test
- Regional
- National
- Class 101
- Migrated
 - ↳ dashboard
 - ↳ Tracking Charts
 - ↳ Stress Test
 - ↳ MSA
 - ↳ Interest Rates
 - ↳ Prices
 - ↳ Output
- Banking

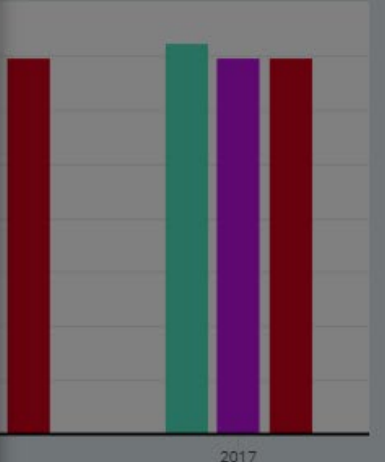
[Add new category](#)

Add to Dashboard

DOWNLOAD 

to 2017-01-01

EDIT GRAPH 

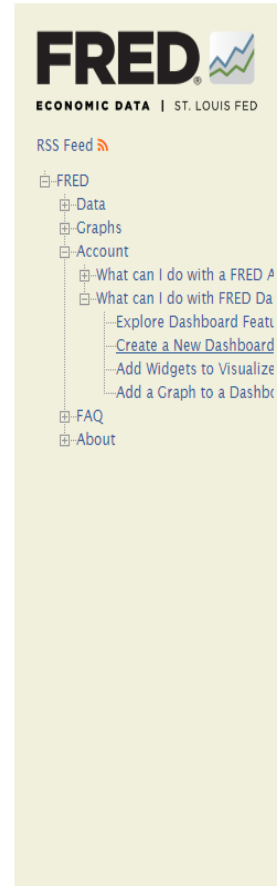


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Making a Dashboard

- Log into your FRED account and save content to a custom dashboard.
 - **Easy access**
 - **Auto-Updates**
 - **Share**
 - **Widgets**
 - **Graphs**
 - **Maps**
 - **Data Lists**
 - **Single Values**
 - **Notes**
 - **Data Tables**

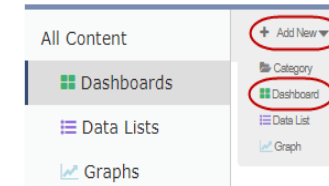


Getting to Know FRED®

Create a New Dashboard

Dashboards are a quick way to visualize data in a way that is meaningful and useful to you.

First, sign into your FRED Account. From your "My Account" page, click "Dashboards" and then "Create."



Name your dashboard, and enter a description if you like. The Dashboard remains private unless you choose to make it public. To make it public, select "Public" from the drop-down menu under "Description" and then click "Create."

Create New Dashboard ×

Name

Create

Next, name your dashboard and click the "Create" button. View the next tutorial to learn more about how to "Add widgets to visualize data."


Posted in What can I do with FRED Dashboards?


Get it here: <https://fredhelp.stlouisfed.org/fred/account/dashboard-features/new-dashboard/>


Today's Dashboard


- Easily shared
- Customize Using Widgets


Add Widget ✕



Graph
Chart data series from our FRED database.


Data Table
Display time series data in a tabular format.


Single Value
Highlight a series' current value or on a specific date.


Data List
Include a FRED data list as a reference to a collection of series.


Notes
Annotate your widgets by placing a note nearby.


Spacer
Add a spacer to assist in controlling the layout of your widgets.

Close

Add Widget to Dashboard

Actions ▾

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View Public Version

Export to PowerPoint

Download All Data

Edit Title

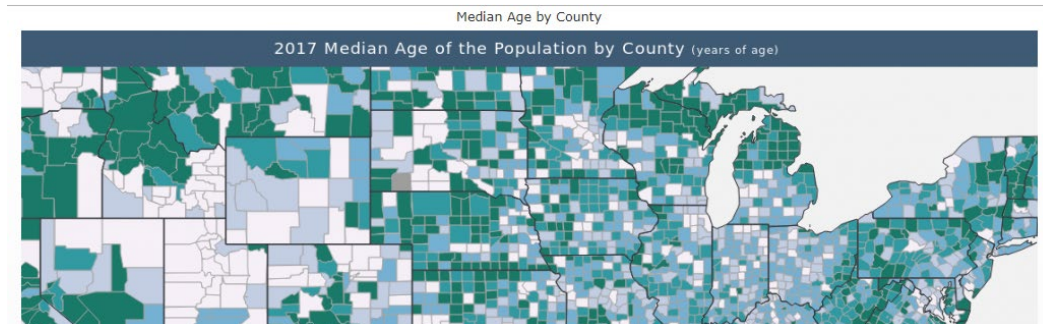
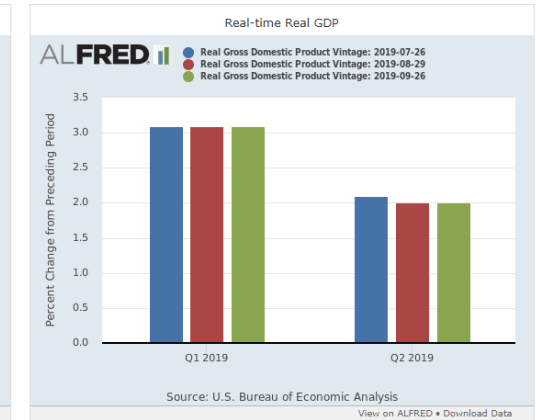
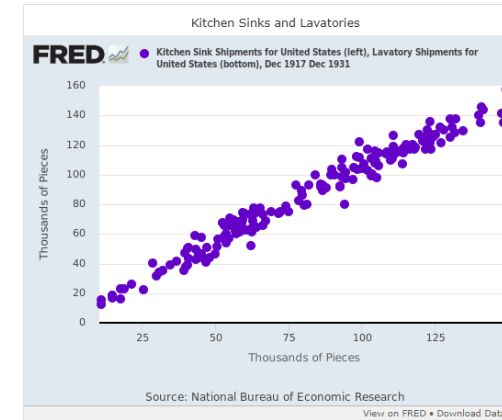
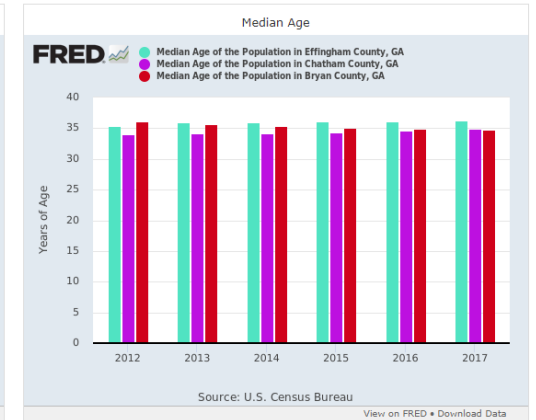
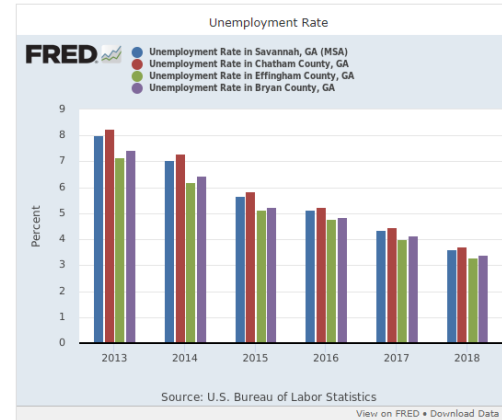
Edit Description

Duplicate

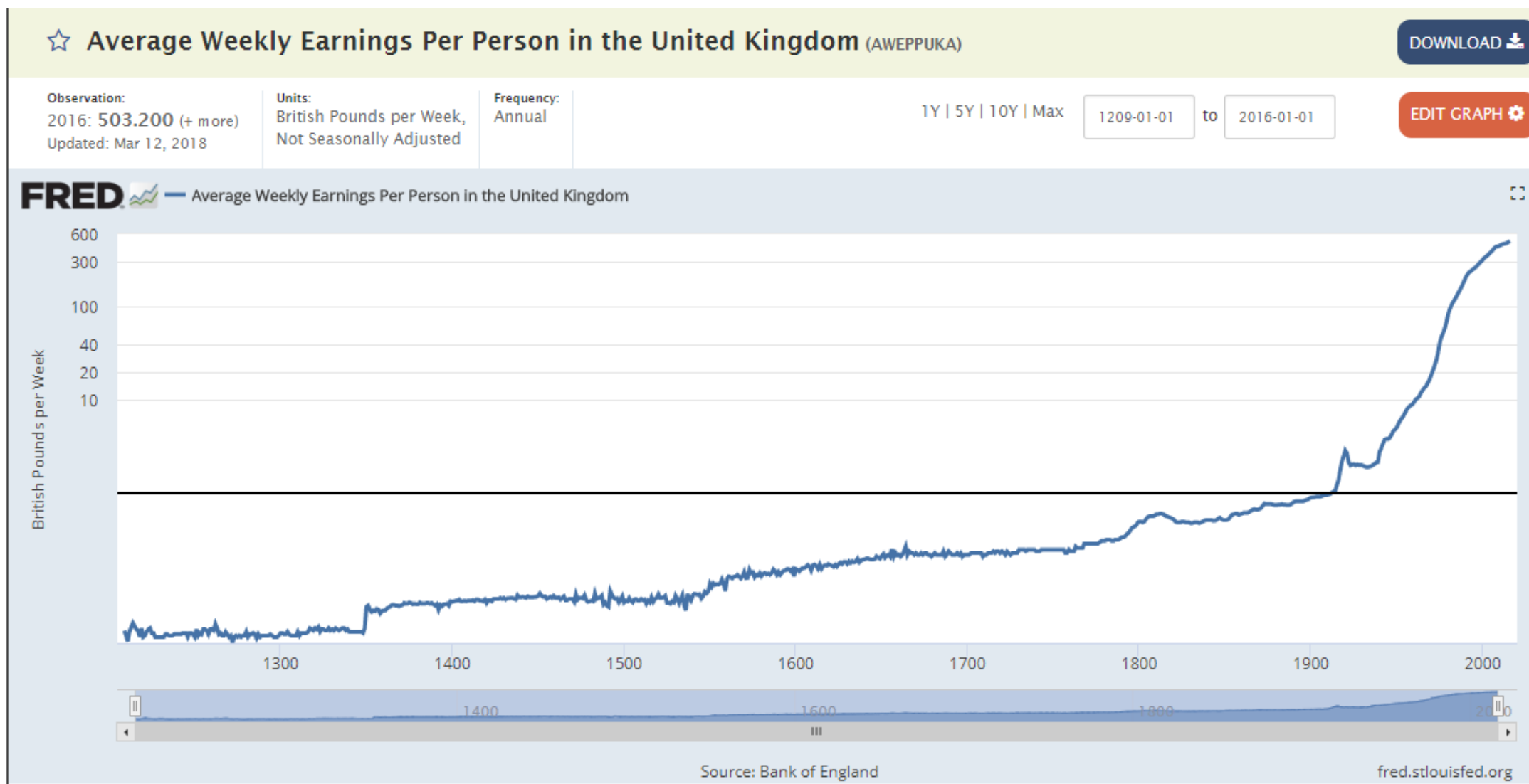
Delete Dashboard

AUBER 2019

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FRED Breaks a Record



FRED® API

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The FRED® API is a web service that allows developers to write programs and build applications that retrieve economic data from the [FRED®](#) and [ALFRED®](#) websites hosted by the [Economic Research Division](#) of the [Federal Reserve Bank of St. Louis](#). Requests can be customized according to data source, release, category, series, and other preferences.

General Documentation

- [Overview](#)
- [What is FRED®?](#)
- [What is ALFRED®?](#)
- [FRED® versus ALFRED®](#)
- [Real-Time Periods](#)
- [Errors](#)

Python

- [avelkoski/FRB](#) (third-party software, external link)
- [mortada/fredapi](#) (third-party software, external link)
- [zachwill/fred](#) (third-party software, external link)

R

- [jcizel/FredR](#) (third-party software, external link)
- [onnokleen/alfred](#) (third-party software, external link)
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