

# What's New With



&



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



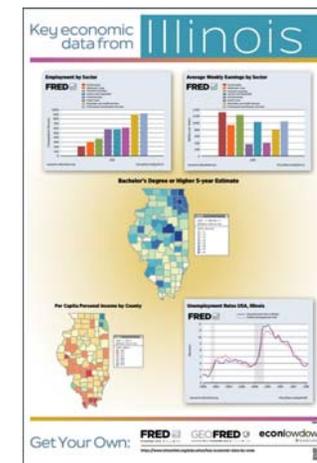
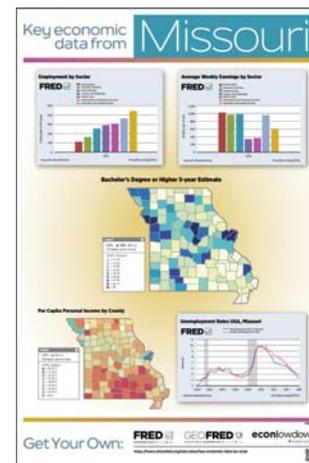
# Many changes since our last visit . . . .

## FRED®

- > 125,000 new time series!
  - > 40% increase!
- Complete user interface redesign
  - Surveys
  - Focus groups
  - User feedback



- New landing page
- Increased number of time series
- 13 state data posters with maps . . .



*FRED®—An international leader in the provision of online economic and financial information.*

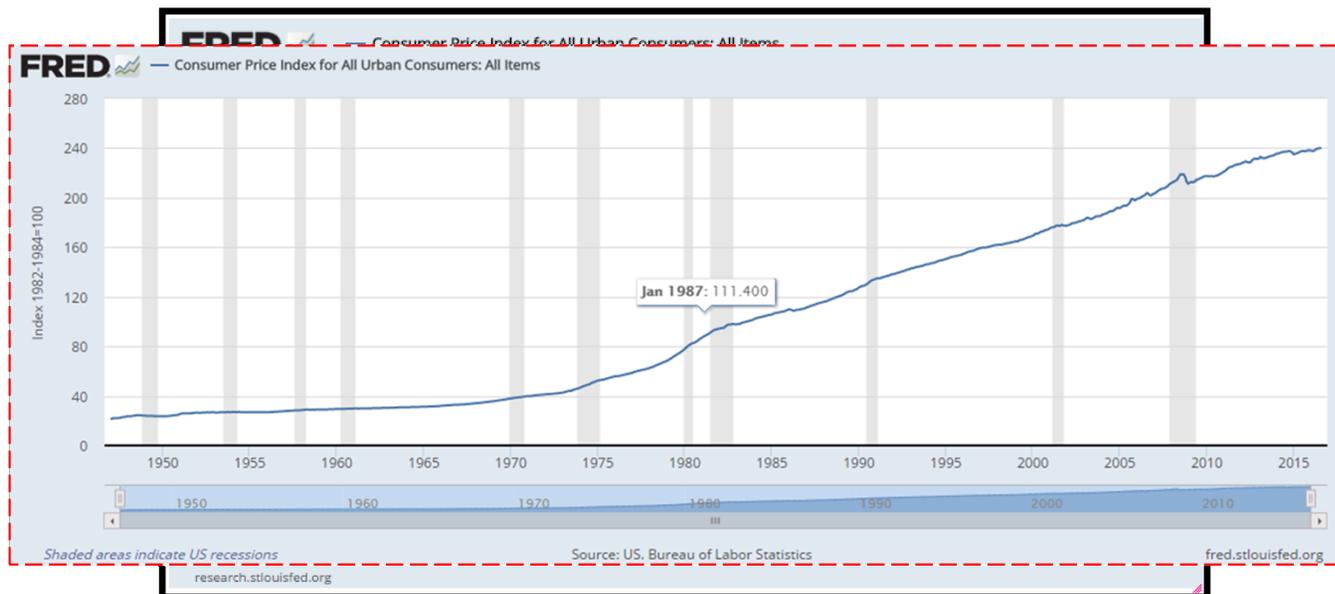
*1. Primum non nocere*

*2. Increase retention*

*3. A friendlier FRED*

*4. Maximize existing features*

# FRED Graph got wider & flatter

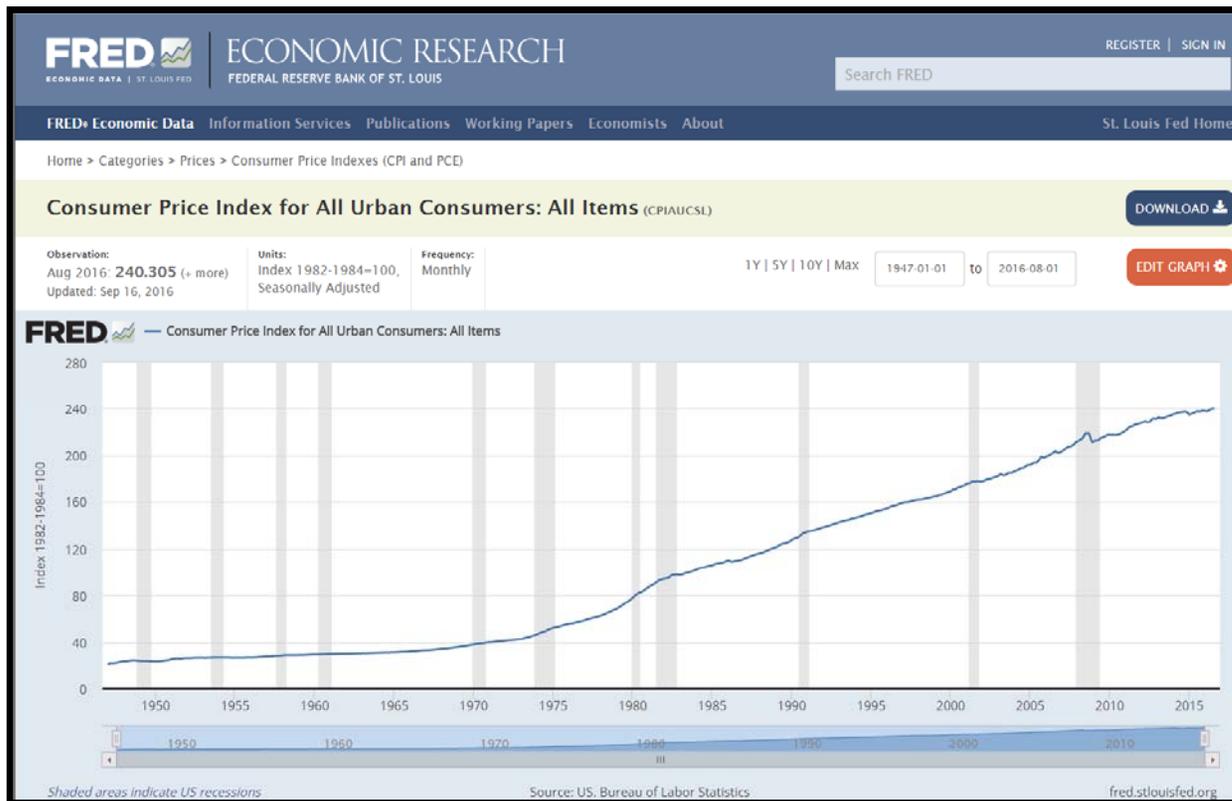


# FRED's Top 10 User Events . . .

1. Zoom
2. Change Date
3. Units transformation
  - (e.g., % Change)
4. Frequency
  - (e.g., *Quarterly*)
5. Search box @ top right
6. Download data
7. Notes
8. *View Data*
9. *+ see more (recent observations)*
10. Frequency aggregation
  - *Average, Sum, End of Period*



# Orange is the New . . .



EDIT GRAPH 

# Let's Take a Look Under the Hood . . . .



Edit Graph is Now Slides On the Side

## The Electric Slide (Panel)



# Improved Formatting Interface



Formatting  
also gives  
FRED a  
side glance

# Better Metadata . . .

That was then . . .



☆ **Consumer Price Index for All Urban Consumers: All Items** (Title)

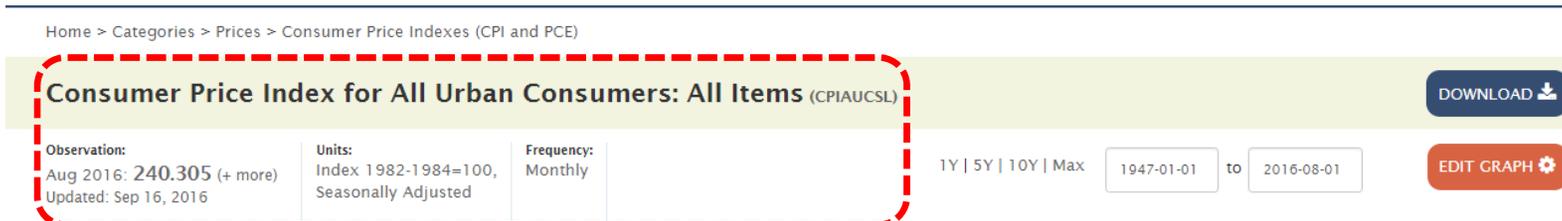
2015-11: **238.111** Index 1982-1984=100 (+ see more) Units

Monthly Seasonally Adjusted CPIAUCSL Updated: 2015-12-15 9:03 AM CST

Frequency Seasonality Series ID

Detailed description: This screenshot shows an older version of a data series page. The title 'Consumer Price Index for All Urban Consumers: All Items' is highlighted with a red box and labeled 'Title'. Below it, the value '238.111' is shown for '2015-11' with units 'Index 1982-1984=100'. The series ID 'CPIAUCSL' is also highlighted and labeled. Other metadata like 'Monthly', 'Seasonally Adjusted', and 'Updated: 2015-12-15 9:03 AM CST' are present. Red arrows point from labels 'Frequency', 'Seasonality', and 'Series ID' to their respective parts of the metadata.

This is now:



Home > Categories > Prices > Consumer Price Indexes (CPI and PCE)

**Consumer Price Index for All Urban Consumers: All Items** (CPIAUCSL) DOWNLOAD

<b>Observation:</b> Aug 2016: <b>240.305</b> (+ more) Updated: Sep 16, 2016	<b>Units:</b> Index 1982-1984=100, Seasonally Adjusted	<b>Frequency:</b> Monthly
---	--	------------------------------

1Y | 5Y | 10Y | Max  to  EDIT GRAPH

Detailed description: This screenshot shows the current metadata interface. It features a breadcrumb trail 'Home > Categories > Prices > Consumer Price Indexes (CPI and PCE)'. The title 'Consumer Price Index for All Urban Consumers: All Items' is followed by '(CPIAUCSL)' and a 'DOWNLOAD' button. A table provides structured metadata for 'Observation', 'Units', and 'Frequency'. The 'Observation' row shows 'Aug 2016: 240.305 (+ more)' and 'Updated: Sep 16, 2016'. The 'Units' row shows 'Index 1982-1984=100, Seasonally Adjusted'. The 'Frequency' row shows 'Monthly'. Below the table, there are navigation options '1Y | 5Y | 10Y | Max' and date range selectors for '1947-01-01' to '2016-08-01', along with an 'EDIT GRAPH' button. A red dashed box highlights the title and the metadata table.

# What's New With FRED®!



## Median Adjusted Gross Income

Darker-colored states have a higher dollar level change in median adjusted gross income, and lighter-colored states have a lower change.



Counties

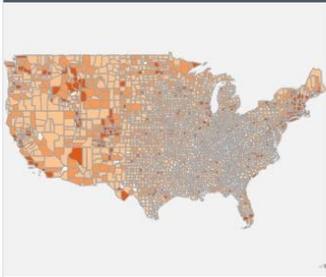


States



Nations

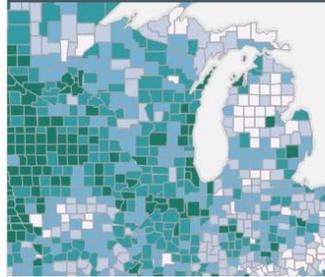
Bachelor's Degree or Higher (5-year estimate) by County



High School Graduate or Higher (5-year estimate) by County

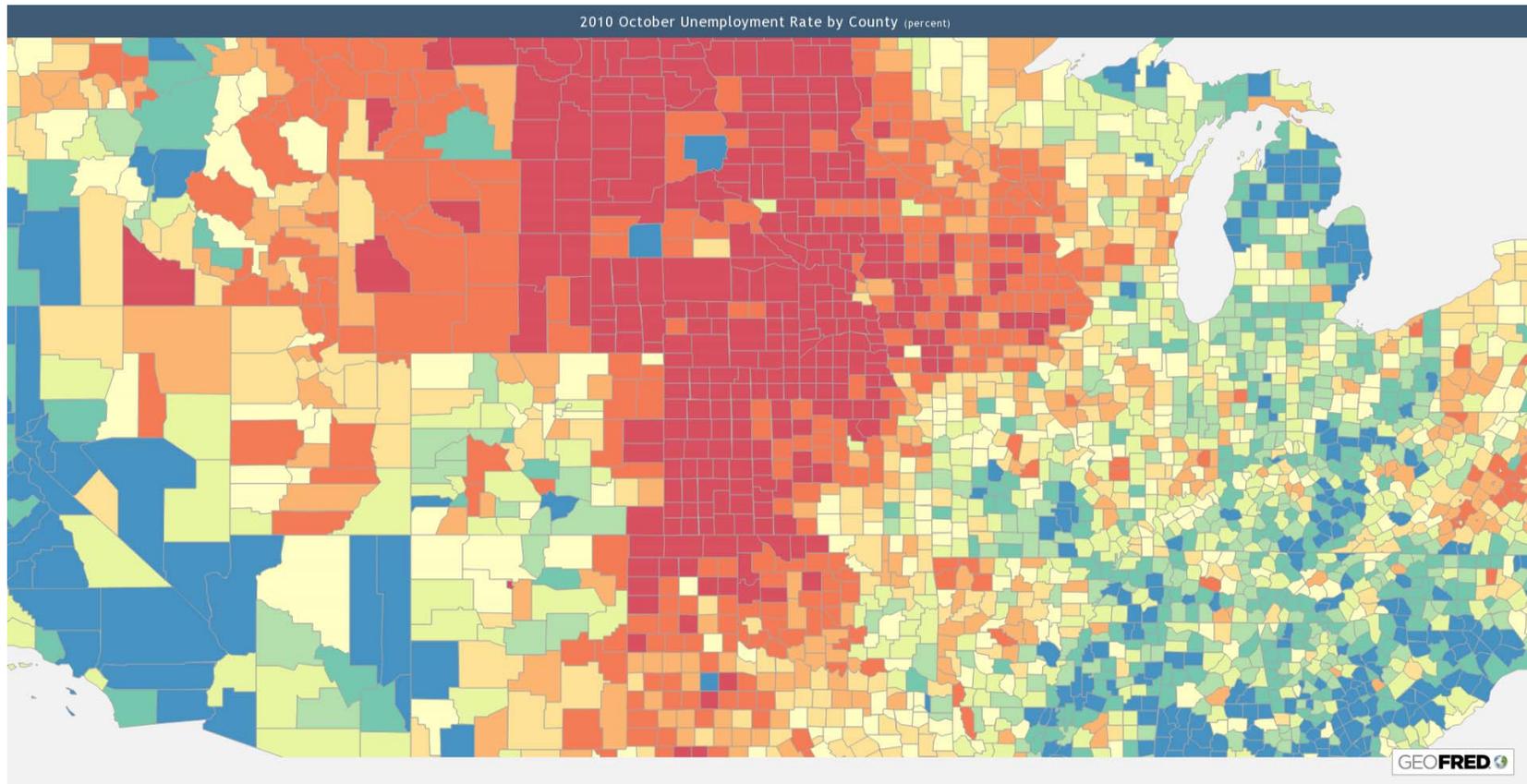


Per Capita Personal Income by County



GeoFRED's  
new landing page

# GeoFRED Unemployment Oct. 2010



# Data Transformation: Greatly Simplified!

Notes Graph Share Export Cite

Restore defaults | Save settings | Apply saved settings

GRAPH SETTINGS

ADD DATA SERIES

FRED Series

Type keywords to search for data

Add new series  ~~Modify editing series~~

Data Series 1

Add Series

EDIT DATA SERIES 1: CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS: ALL ITEMS

REGISTER EDIT LINE 1 ADD LINE FORMAT X

EDIT LINE 1

(a) Consumer Price Index for All Urban Consumers: All Items, 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.

Type keywords to search for data 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:

# What's New With FRED®!



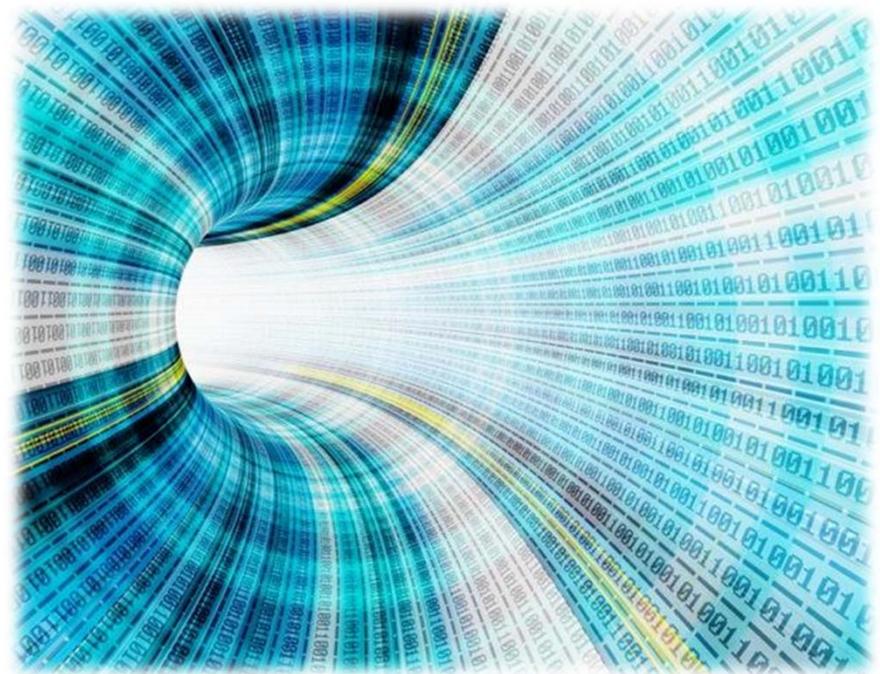
# Newly arrived FRED data

- State level GDP data by industry\*
- Spot crude oil prices from 1947
- Regional Weekly Wage Series\*
- Size of Households and Families
- Households by Type (HH-1)
- Families by Presence of Own Children Under 18 (FM-1)



# Expected soon from the FRED data pipeline

- Net Migration by county\*
- Homeownership Rate by county\*
- GDP by Metro Area by industry\*
- Real Personal Income for States and Metropolitan areas\*
- Corporate Rates for US from the Treasury



# Something New! FREDcast



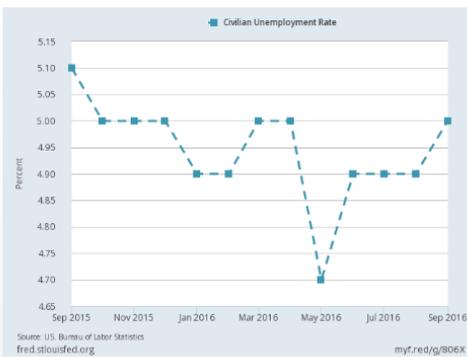
**My new study partner:  
FRED**

## FREDcast Data

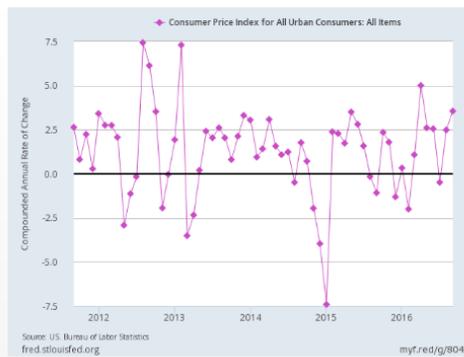
October 27, 2016

A dashboard with a graph for each of the 4 data sets in FREDcast.

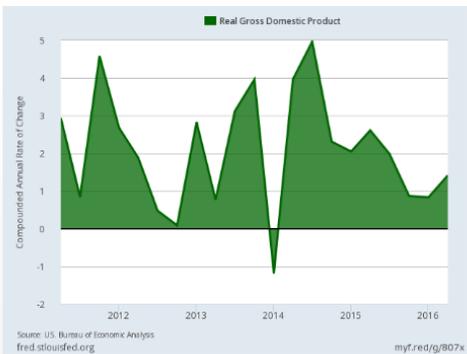
### Unemployment Rate



### CPI



### Real GDP Growth



### Change in Nonfarm Payrolls in Thousands



## FREDcast 4 Data Series

1. Unemployment Rate
2. CPI
3. Payroll Jobs Change
4. GDP Growth

# How Do I Enter My Forecasts?

**FREDcast**   
FORECASTING GAME | ST. LOUIS FED | **BETA**

Player: **FREDrocks**

[View Your Scores](#) [League Info](#) [Your Forecasts](#) [FAQs](#) [Reminder](#)

## Review Your October 2016 Forecasts

The **Unemployment Rate** in October 2016 will be  percent.

The monthly change in **Payroll Employment** in October 2016 will be  persons.

The **real GDP growth rate** in the fourth quarter of 2016 will be  percent.

The annualized monthly change in the **CPI** in October 2016 will be  percent.

[Save Your Forecasts Now!](#)

FREDcast™ is in beta. [Send feedback](#)

# When Will My Scores Be Released?

October 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	Q3 GDP Release Date	20	21	22
23	24	25	26	27	28	29



# How Does FREDcast Work?



Create a private FREDcast league



# Econ Lowdown: Pathway to FREDcast

## Just Log In to the Instructor Management Panel

**econlowdown**<sup>®</sup>  
click. teach. engage.

### Log In

Username

Password

[Submit](#)

[Forgot Password?](#)

New to the site? Let's get you started!

[Register](#)



**Welcome to the Federal Reserve Bank of St. Louis Online Learning Module Instructor Management Panel presented by the Bank's Economic Education department. This tool allows you to:**

- assign your students their student code and password
- register your students for online courses and videos
- monitor student progress in each of the online courses
- view the results of students' pre- and post-test results
- complete professional development

### Features

# Sssshhh! Create a [Private] League

The screenshot shows the 'econlowdown' website interface. The top navigation bar includes 'MY CLASSROOMS', 'RESOURCE GALLERY', 'PROFESSIONAL DEVELOPMENT', and 'FREDCAST™'. The user is logged in as 'MARK BAYLES'. The main content area is titled 'FREDcast™' and contains instructions for creating a league. A 'Create League' form is highlighted with a red box and contains the following fields:

- League Name:** Mr. B's Macro FREDcast League
- Start Date:** 09/07/2016
- End Date:** 12/22/2016
- Create League** button

Red arrows point to the League Name, Start Date, End Date, and Create League button. A green arrow points to the Create League button. Below the form, there are two existing leagues:

- BIE Demo League** (Active: 2016-07-31 to 2016-12-31) with buttons for League Standings, Manage League, and Add Classrooms.
- Macroeconomics 101 FREDcast League** (Active: 2016-09-07 to 2016-12-23) with buttons for League Standings, Manage League, and Add Classrooms.

The Macroeconomics 101 league has a note: 'This league does not currently have any classrooms assigned.'

What's FRED up to next?

Sign **up** today!  
**FRED**cast. 





Barack Obama  
@barackobama

Home

About

Endorsements

Photos

Videos

Posts

Likes

Like Message Share More

Barack Obama  
21 hrs ·

We must continue to invest in an economy that works for everyone, and not just those at the top. <http://ofa.bo/2dLV2H0>



Americans' wages just hit an all-time high  
Some good news.

VOX.COM | BY MATTHEW YGLESIAS

Sign Up

Politician

Search for posts on this Page

PEOPLE

50,361,736 likes

ABOUT

This page is run by Organizing for Action. To visit the White House Facebook page, go to [facebook.com/WhiteHouse](http://facebook.com/WhiteHouse).

<http://www.barackobama.com/>

APPS



#MLKDream50

# Questions or Suggestions?

- Want help with FRED® or GeoFRED®?
- Have ideas to share?
  - [fred@stlouisfed.org](mailto:fred@stlouisfed.org)
  - (314) 444-8444
  - [Help and Information](#)
- Econlowdown wants to hear from you, too!
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- Join our [mailing list](#) . . .

