

Andrew Keatts

From: Major, Ray
Sent: Friday, November 20, 2015 8:51 AM
To: Messen, Dmitry
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

wtf

Ray Major
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www.sandag.org

From: Messen, Dmitry
Sent: Friday, November 20, 2015 8:47 AM
To: Major, Ray
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

I can think of another popular 3 letter acronym

From: Major, Ray
Sent: Friday, November 20, 2015 8:45 AM
To: Messen, Dmitry
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

omg

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From: Messen, Dmitry
Sent: Friday, November 20, 2015 8:44 AM
To: Major, Ray
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

Yes (1.31%)

Average wage in SR13 (in constant 2014 dollars)

2012: \$58,852

2050: \$96,523

From: Major, Ray
Sent: Friday, November 20, 2015 8:39 AM
To: Messen, Dmitry
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

And series 13 forecasts 1.3%?

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From: Messen, Dmitry
Sent: Friday, November 20, 2015 8:35 AM
To: Major, Ray
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Yes (0.69)

From: Major, Ray
Sent: Friday, November 20, 2015 8:34 AM
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Is .7 the average increase over the past 40 years?

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From: Messen, Dmitry
Sent: Friday, November 20, 2015 8:31 AM
To: Major, Ray
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

Use the tab named "QCEW"

From: Major, Ray
Sent: Friday, November 20, 2015 8:26 AM
To: Messen, Dmitry
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

Remember the chart you showed yesterday that had the annual % change by year and rolling average? Can you send me that data? I can calculate it from there, O know it's confusing

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From: Messen, Dmitry
Sent: Friday, November 20, 2015 8:05 AM
To: Major, Ray
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

Could you please clarify? Annual growth in population and TRS? Actual (historical data)?

From: Major, Ray
Sent: Thursday, November 19, 2015 7:17 PM
To: Messen, Dmitry
Subject: RE: Annual growth rate Taxable Retail Sales (TRS)

I would like to calculate the number of years we had over 1.3 growth, and how many between 1.3 and .8 and how many below .8 (I'm assuming .8 is the average of the series)

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: "Messen, Dmitry" <Dmitry.Messen@sandag.org>
Date: 11/19/2015 6:09 PM (GMT-08:00)
To: "Major, Ray" <Ray.Major@sandag.org>
Cc: "Flyte, Daniel" <Daniel.Flyte@sandag.org>, "Daniels, Clint" <Clint.Daniels@sandag.org>, "Mukherjee, Sanchita" <Sanchita.Mukherjee@sandag.org>, "Miller, Jim" <Jim.Miller@sandag.org>, "Sanz, Elias" <Elias.Sanz@sandag.org>, "Cortes, Rachel" <Rachel.Cortes@sandag.org>
Subject: Annual growth rate (AGR) in Population and Taxable Retail Sales (TRS)

Ray,
Here's the chart you asked for.

TRS is in constant dollars (in current dollars, the rate would be slightly higher).

In the new model (SR14?), the absolute increase in TRS follows the increase in personal money income. In turn, the increase in personal money income has 3 sources:

1. Increase in real average wage
2. Increase in the number of jobs (more people → more jobs)
3. Increase in the volume of unearned personal income (more people → more unearned income)