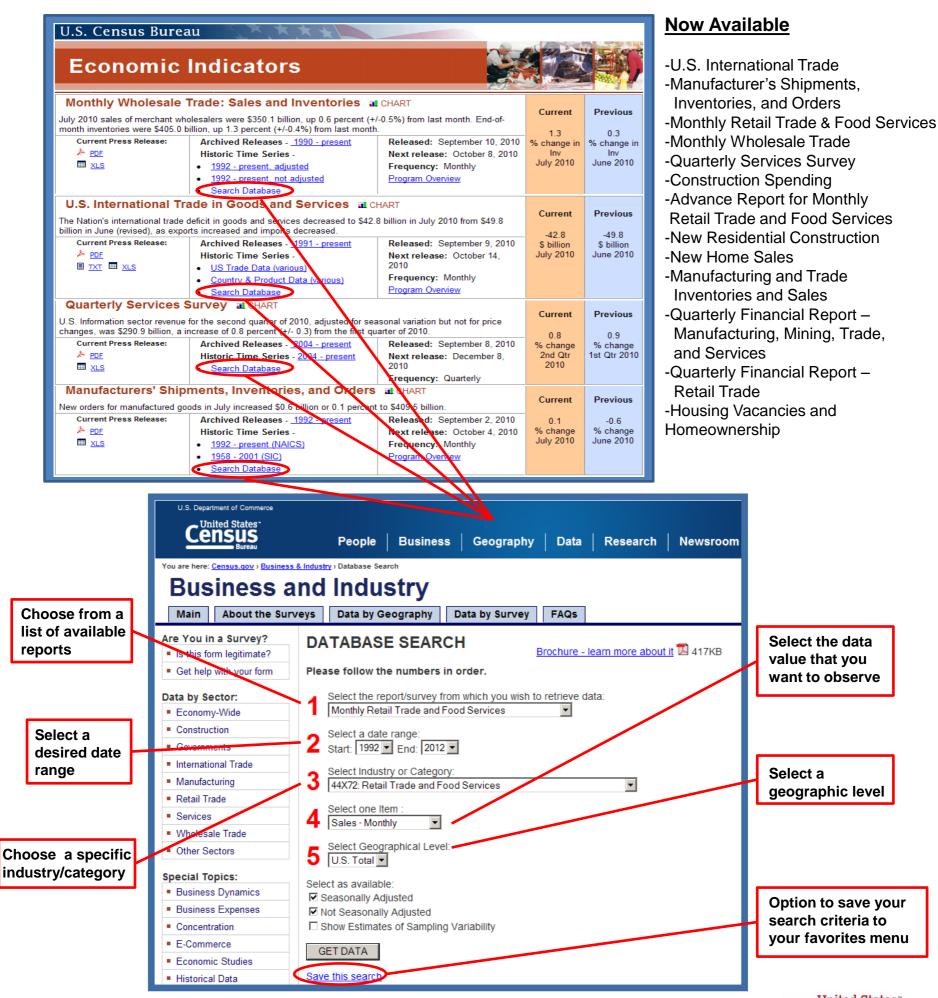
Economic Indicator Database

- Standardized formats
- Customizable downloads



Economy-Wide
 Construction
 Governments
 International Trade
 Manufacturing
 Retail Trade
 Services

Wholesale TradeOther Sectors

People

Business

Data by Geography

Geography

Data by Survey

Research

Data

FAQs

Newsroom

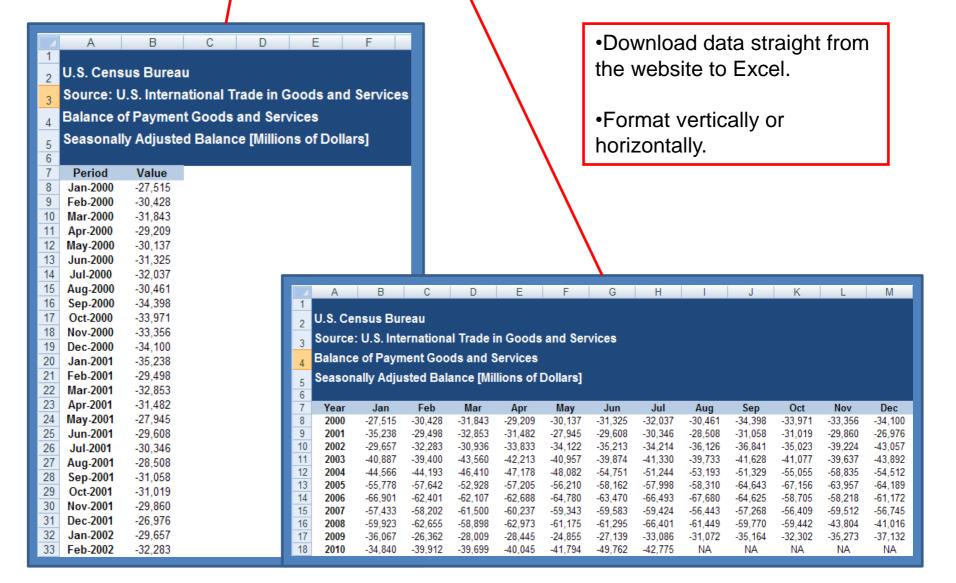
Q Search Go

You are here: Census.gov > Business & Industry > Database Search

About the Surveys

Business and Industry

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2000	-27 418	-30,340	-31,632	-29,060	-29,994	-31,178	-31,791	-30,256	-34,221	-33,726	-33,097	-34,036
2001	-35,076	-29,335	-32,598	-31,315	-27,776	-29,380	-30,086	-28,239	-30,844	-30,724	-29,612	-26,786
2002	-29,312	-32,105	30,790	-33,571	-33,934	-35,011	-33,932	-35,834	-36,509	-34,657	-38,931	-42,845
2003	-40,653	-39,188	-43,272	-41,990	-40,739	-39,616	-41,044	-39,453	-41,308	-40,801	-39,329	-43,594
2004	-44,216	-43,963	-46 161	-46,873	-47,803	-54,432	-50,957	-52,868	-50,997	-54,583	-58,374	-54,130
2005	-55,397	-57,255	-52,425	-56,796	-55,835	-57,733	-57,546	-57,838	-64,192	-66,428	-63,381	-63,800
2006	66,671	-62,120	-61,569	-61,949	-64,003	-62,798	-66,007	-67,351	-64,311	-58,139	-57,618	-60,749
2007	-57,124	-58,172	-61,399	-59,818	-58,812	-59,097	-59,043	-56,109	-56,808	-55,600	-58,640	-56,105
2008	-60,040	-63,259	-59,236	-62,641	-61,277	-59,928	-65,743	-60,900	-59,491	-59,541	-44,156	-42,126
2009	-37,201	-27,034	-28,579	29,172	-25,524	-26,690	-33,378	-31,025	-34,890	-32,797	-36,293	-38,690
2010	-37.490	-41.011	-41.142	-41,466	-42,166	-46,890	-41,564	-45,536	-44.013	-39,452	-38.842	-40.454



For more information on the Economic Indicators, see http://www.census.gov/cgi-bin/briefroom/BriefRm



Now available: Create bar or line charts when observing data representing total values. Also, create scatter charts when observing data representing percentage change (where applicable).

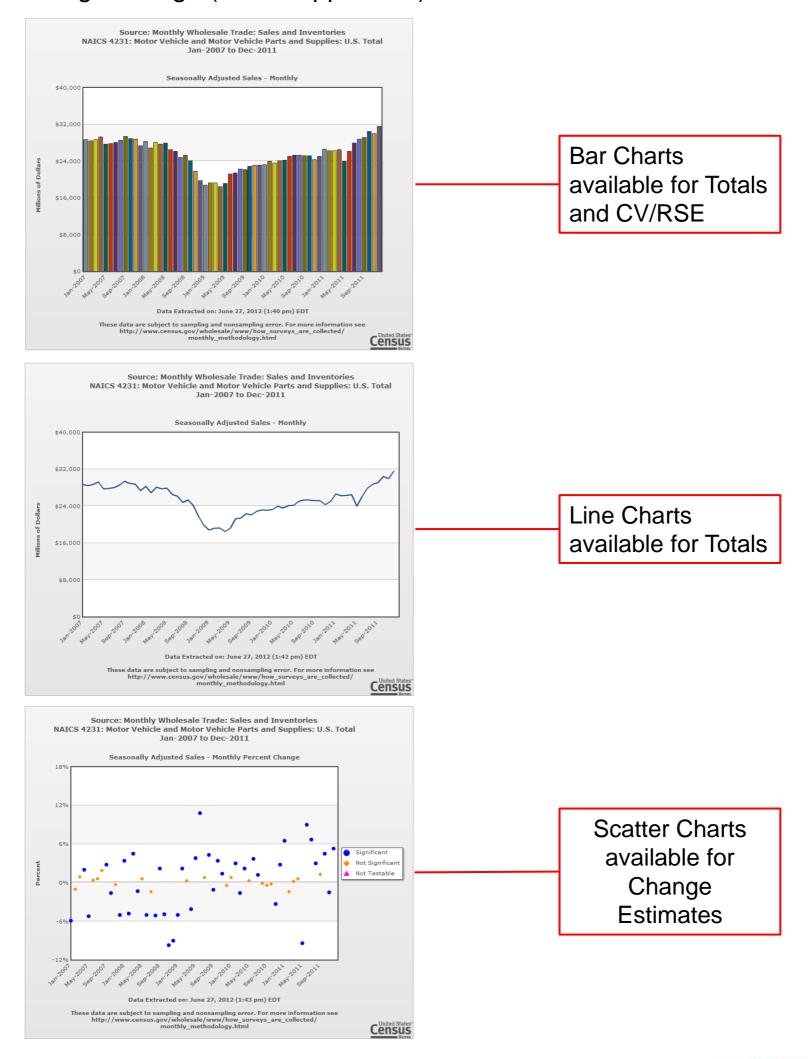




Chart Option Availability by Indicator Program

All charts can be saved as images (.jpg, .pdf, and .png Files) Charts are NOT embeddable as HTML objects

Survey	Bar Charts/ Line Charts	Scatter Charts	Options for Seasonally Adjusted Data*	Confidence Intervals**	
US International Trade	Yes	No	Yes	N/A	
Housing Vacancies and Homeownership	Yes	No	Yes	Yes	
Manufacturers' Shipments, Inventories, and Orders	Yes	Yes	Yes	No	
Advance Monthly Sales for Retail and Food Services	Yes	Yes	Yes	Yes	
Monthly Retail Trade and Food Services	Yes	Yes	Yes	Yes	
Manufacturing and Trade Inventories and Sales	Yes	Yes	Yes	Yes	
Monthly Wholesale Trade: Sales and Inventories	Yes	Yes	Yes	Yes	
Quarterly Financial Report***	Bar Charts only	No	No	Yes	
Quarterly Services Survey	Yes	Yes	Yes	Yes	
New Residential Construction	Yes	No	Yes	Yes	
New Home Sales	Yes	No	Yes	Yes	
Construction Spending	Yes	Yes	Yes	Yes	

^{*}Values may be adjusted for seasonal variation, and holiday and trading-day differences (where applicable), but are not adjusted for price changes.

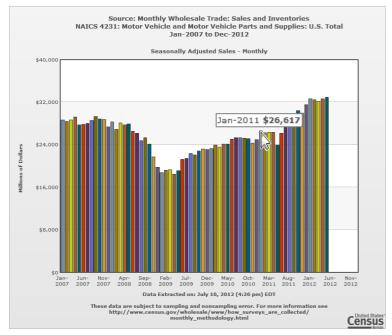
^{***}Line charts will be available for QFR after the 1st Quarter 2014 data are released to the Economic Indicator Database. Sixteen or more statistical periods of estimates must be available to produce a line chart.



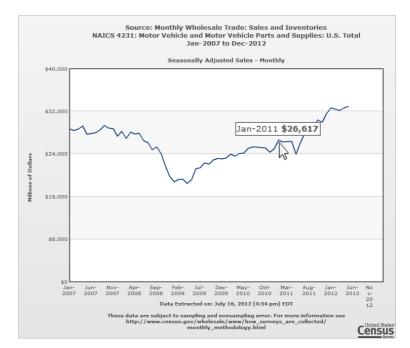
^{**}The 90% Confidence Limits are displayed on graphs when estimates of sampling variability are available and requested.

Technical Documentation for Charts

Total Estimates – Line Charts and Bar Charts







(Line Chart without Error Bars)

Chart Layout

TITLE

- Source: Selected report/survey (#1 in Database Search)
- Industry or Category (#3 in Database Search)
- Geographic level (#5 in Database Search)
- Date Range in years/quarters (#2 in Database Search)
- Item (#4 in Database Search) and Seasonal Adjustment (if available and selected)

X-AXIS

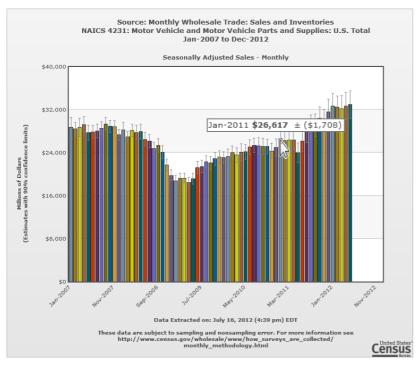
- Starts with first month/quarter of selected date range
- Ends with last month/quarter of selected date range
 - When selecting data through the current year, any months/quarters where data has not yet been collected will display as empty spaces at the end of the chart.
 - Data can be viewed over long ranges of time, but for best clarity try to restrict your date range selection to no more than 8 years for monthly surveys, and 26 years for quarterly surveys.
- Date/time stamp of data extraction provided as footnote
- Source and accuracy statements provided as footnotes, with program-specific links

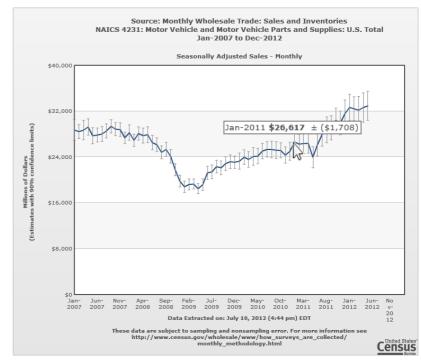
Y-AXIS

- Axis label provides information on units of measure. For example, \$26,617 in millions represents \$26,617,000,000.
- Axis label indicates whether chart includes 90% confidence limits (error bars)



Total Estimates – Line Charts and Bar Charts





(Bar Chart with Error Bars)

(Line Chart with Error Bars)

ERROR BARS (90% CONFIDENCE INTERVALS)

- Included on bar or line chart for totals when Database Search selects "Show estimates of Sampling Variability"*
 - Not available for line charts displaying CV/RSE data.
- Error bars are computed as
 - Lower error bar endpoint (lower confidence interval limit) = Total 1.645 x (Total x CV/RSE)
 - Upper error bar endpoint (upper confidence interval limit) = Total + 1.645 x (Total x CV/RSE)
 - Margin of error = 1.645 x (Total x CV/RSE)

Note: The 90% confidence intervals (error bars) displayed on the charts are obtained under standard normality assumptions and may be rounded to the nearest unit. Consequently, they may differ somewhat from the program's published margins of error, which make use of survey design and estimation procedures and may employ finer degrees of precision in their reporting.

 Every chart will produce the entire requested time series, even when estimates of sampling variability are not available. In this case, there will be no error bars associated with the corresponding data value for bar or line charts.

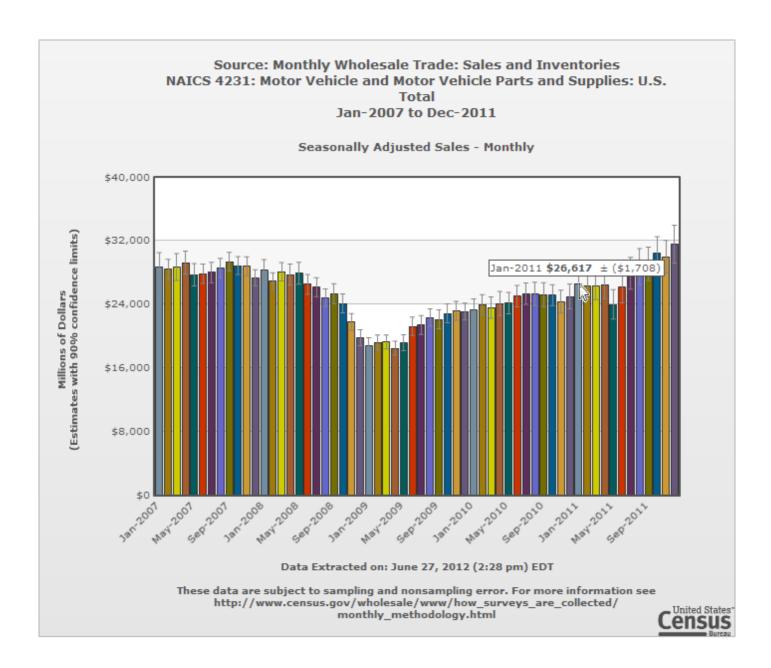
ANNOTATIONS/FLYOVERS

- Flyover annotations display time period and data value for all points on the chart.
- In addition, flyover annotations for charts with error bars will also display the Margin of Error for the 90% Confidence Interval. (For example, if the flyover displays "420 ± (50)", then the Margin of Error would be 50, and the 90% Confidence Interval would be (370, 470).
- Flyover annotations of the error bars will display the absolute value of the Margin of Error.

^{*} CVs (coefficients of variation) and RSEs (relative standard errors), are provided as measures of variability for totals instead of standard errors. The CV/RSE = standard error / estimate.



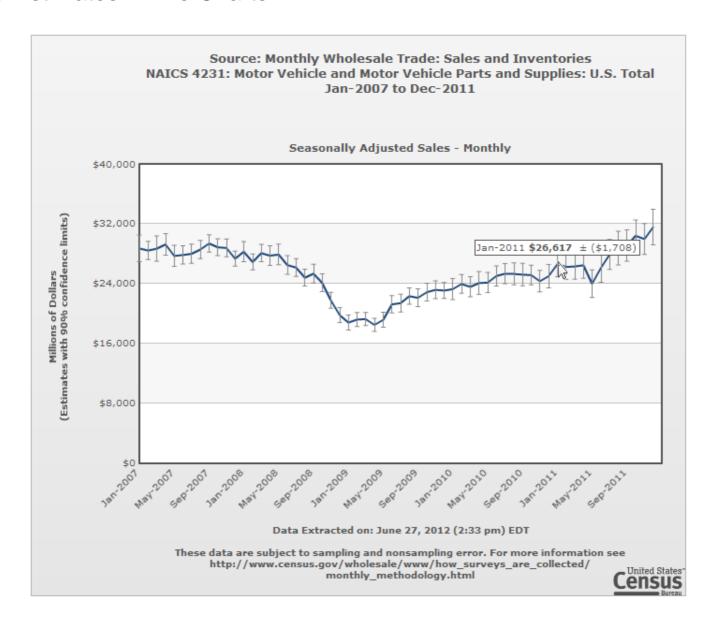
Total Estimates and CV/RSE – Bar Charts



- Each month/quarter is represented by the same color when viewing data spanning multiple years.
- If Seasonally Adjusted data are chosen, this will be noted in the subtitle. These data are adjusted for seasonal variation, and holiday and trading-day differences (where applicable), but are not adjusted for price changes.
- Data can be viewed over long ranges of time, but for best clarity try to restrict your date range selection to no more than 8 years for monthly surveys, and 26 years for quarterly surveys.
- Error bars are NOT available for CV/RSE data.
- Note that when viewing seasonally vs. non-seasonally adjusted data over the same time frame, the y-axis min and max may be different for the two charts.



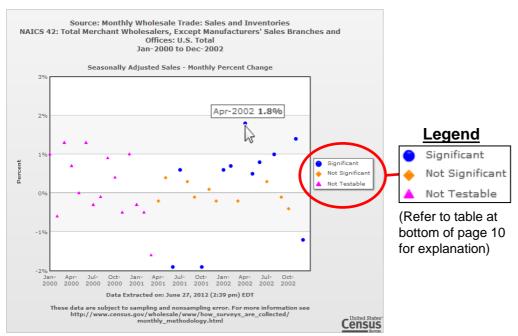
Total Estimates - Line Charts

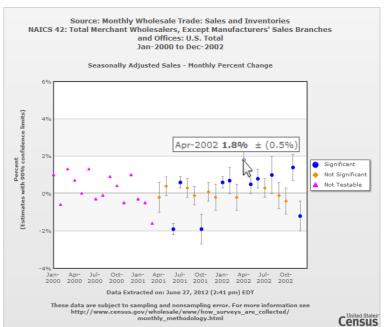


- If Seasonally Adjusted data are chosen, this will be noted in the subtitle. These data are adjusted for seasonal variation, and holiday and trading-day differences (where applicable), but are not adjusted for price changes.
- Data can be viewed over long ranges of time, but for best clarity try to restrict your date range selection to no more than 8 years for monthly surveys, and 26 years for quarterly surveys.
- You must select a date range with a minimum of 4 years.
- Line chart for totals is continuous, but error bars are provided at discrete locations corresponding to the applicable statistical period (confidence bands are not appropriate for these data)
- Note that when viewing seasonally vs. non-seasonally adjusted data over the same time frame, the y-axis min and max may be different for the two charts.



Percentage Change - Scatter Charts





(Scatter Chart without Error Bars)

(Scatter Chart with Error Bars)

Chart Layout

TITLE

- Source: Selected report/survey (#1 in Database Search)
- Industry or Category (#3 in Database Search)
- Geographic level (#5 in Database Search)
- Date Range in years/quarters (#2 in Database Search)
- Item (#4 in Database Search) and Seasonal Adjustment (if available and selected)

X-AXIS

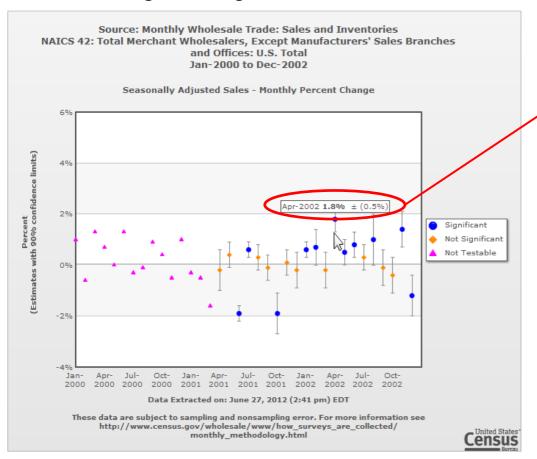
- Starts with first month/quarter of selected date range
- Ends with last month/quarter of selected date range
 - When selecting data through the current year, any months/quarters where data has not yet been collected will display as empty spaces at the end of the chart.
 - Data can be viewed over long ranges of time, but for best clarity try to restrict your date range selection to no more than 8 years for monthly surveys, and 26 years for quarterly surveys.
- Date/time stamp of data extraction provided as footnote
- Source and accuracy statements provided as footnotes, with program-specific links

Y-AXIS

- Axis label is displayed as a percentage.
- Axis label indicates whether chart includes 90% confidence limits (error bars)
- Note that when viewing seasonally vs. not seasonally adjusted data over the same time frame, the y-axis min and max may be different for the two charts.



Percentage Change - Scatter Charts



ANNOTATIONS/FLYOVERS

Apr-2002 **1.8%** \pm (0.5%)

- Flyover annotations display time period and data value for all points on the chart.
- In addition, flyover annotations for charts with error bars will also display the Margin of Error for the 90% Confidence Interval. (In the example above, the Margin of Error would be 0.5%, and the 90% Confidence Interval would be (1.3%, 2.3%).
- Flyover annotations of the error bars will display the absolute value of the Margin of Error.

ERROR BARS (90% CONFIDENCE INTERVALS)

- Included on scatter chart for percentage change when Database Search selects "Show estimates of Sampling Variability"*
 - Not available for line charts displaying CV/RSE data
- · Error bars are computed as
 - Lower error bar endpoint (lower confidence interval limit) = Estimate 1.645 x standard error
 - Upper error bar endpoint (upper confidence interval limit) = Estimate + 1.645 x standard error
 - Margin of error = 1.645 x standard error

Note: The 90% confidence intervals used to determine whether a change estimate is significantly different from zero are obtained under standard normality assumptions. Program tests make use of survey design and estimation procedures in determining critical values. Consequently, it is possible that the chart results may differ from those presented in the press release.

 Every chart will produce the entire requested time series, even when estimates of sampling variability are not available. In this case, there will be no error bars associated with the corresponding data value for bar or line charts.

Rules for Determining the Significance of Percentage Change Estimates in Graphs

Color	Definition	Rule
Blue	Significant	CONFIDENCE INTERVAL/LIMIT DOES NOT INCLUDE ZERO 0 < (Estimate - 1.645 x standard error) or 0 > (Estimate + 1.645 x standard error)
Orange	Not Significant	CONFIDENCE INTERVAL/LIMIT INCLUDES ZERO (Estimate - 1.645 x standard error) < 0 < (Estimate + 1.645 x standard error)
Pink	Not Testable	Standard errors are not provided/available

