Stock Market Indicators: Fundamental, Sentiment, & Technical

Yardeni Research, Inc.

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thinking outside the box
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Figure 1.

**YRI FUNDAMENTAL STOCK MARKET INDICATOR and S&P 500 INDEX**

YRI Fundamental Stock Market Indicator

S&P 500 Index

* Average of Consumer Comfort Index and Boom-Bust Barometer, which is CRB raw industrials spot price index divided by initial unemployment claims, four-week moving average.

Source: Bloomberg, Commodity Research Bureau, Department of Labor, and Standard & Poor’s Corporation.

Figure 2.

**YRI BOOM-BUST BAROMETER & CONSUMER COMFORT INDEX**

Boom-Bust Barometer

Consumer Comfort Index

* CRB raw industrials spot price index divided by initial unemployment claims, four-week moving average.

Source: Bloomberg, Commodity Research Bureau, Department of Labor.
Figure 3.

**S&P 500 INDEX & INDUSTRIAL COMMODITY PRICES**

S&P 500 Index

CRB Raw Industrials
Spot Index


Figure 4.

**S&P 500 INDEX & INITIAL UNEMPLOYMENT CLAIMS**

S&P 500 Index

Initial Unemployment Claims (thousands, sa, four-week moving average, inverted scale)

Source: US Department of Labor and Standard & Poor’s.
**Figure 5.**

YRI GLOBAL GROWTH BAROMETER (on S&P 500 basis) & S&P 500

- YRI Global Growth Barometer* (982.3)
- S&P 500 Index (2596.3)

* Average of Brent crude oil and CRB raw industrials spot price index times 2 and divided by 10. Average then multiplied by 10 and 200 added. Source: Standard & Poor’s Corporation and Commodity Research Bureau.

**Figure 6.**

US STOCK PRICES vs. BRENT CRUDE OIL PRICE

- S&P 500 Index
- Brent Crude Oil Price* (dollars per barrel)

**Economic Surprise Index**

![Figure 7. S&P 500 Index vs. CITIGROUP Economic Surprise Index](chart1)


**Figure 8. S&P 500 P/E vs. CITIGROUP Economic Surprise Index**

*Source: Standard & Poor’s, I/B/E/S data by Refinitiv, and Citigroup.*

*Average weekly price divided by 52-week forward consensus expected operating earnings per share.*

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### INVESTORS INTELLIGENCE BULLS & BEARS

#### Ratio

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<th>Date</th>
<th>Bull/Bear Ratio</th>
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<tr>
<td>Dec 25</td>
<td>3.84</td>
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<tr>
<td>Jan  1</td>
<td>0.86</td>
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<td>Jan  8</td>
<td>1.18</td>
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#### Percentage

<table>
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<tr>
<th>Date</th>
<th>Bulls</th>
<th>Bears</th>
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<td>Dec 25</td>
<td>39.3</td>
<td>21.4</td>
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<tr>
<td>Jan  1</td>
<td>29.9</td>
<td>34.6</td>
</tr>
<tr>
<td>Jan  8</td>
<td>34.8</td>
<td>29.4</td>
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#### Percentage

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<th>Date</th>
<th>Correction</th>
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<td>Dec 25</td>
<td>39.3</td>
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<tr>
<td>Jan  1</td>
<td>35.5</td>
</tr>
<tr>
<td>Jan  8</td>
<td>35.8</td>
</tr>
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</table>

Source: Investors Intelligence.
Figure 10.

S&P 500 INDEX vs. BULL/BEAR RATIO OF 3.0 OR MORE* (ratio scale)

* Red shaded areas indicate Bull/Bear Ratio equal to or greater than 3.0.
Source: Standard & Poor’s and Investors Intelligence.

Figure 11.

DOW JONES INDEX vs. BULL/BEAR RATIO OF 3.0 OR MORE* (ratio scale)

* Red shaded areas indicates Bull/Bear Ratio equal to or greater than 3.0.
**Figure 12.**

*S&P 500 INDEX vs BULL/BEAR RATIO OF 1.0 OR LESS*
(ratio scale)

* Green shaded areas indicate Bull/Bear Ratio equal to or less than 1.0.
Source: Standard & Poor’s and Investors Intelligence.

**Figure 13.**

*DOW JONES INDEX vs. BULL/BEAR RATIO OF 1.0 OR LESS*
(ratio scale)

* Green shaded areas indicates Bull/Bear Ratio equal to or less than 1.0.
Figure 14.

S&P 500 % FROM 200-DMA vs. BULL/BEAR RATIO OF 3.0 OR MORE*

* Red shaded areas indicates Bull/Bear Ratio equal to or more than 3.0.
Source: Standard & Poor’s Corporation.

Figure 15.

S&P 500 % FROM 200-DMA vs. BULL/BEAR RATIO OF 1.0 OR LESS*

* Green shaded areas indicates Bull/Bear Ratio equal to or less than 1.0.
Source: Standard & Poor’s Corporation.
Figure 16.

AAII SENTIMENT INDEX FOR STOCKS

AAII Bull Ratio*

AAII Bull/Bear Ratio

Latest Readings
Bulls Bears
Jan 2 33.0 42.8
Jan 9 38.5 29.4

* AAII Bull Ratio is the percent of bulls over the percent of bulls plus percent of bears.

Source: American Association of Individual Investors (AAII).
Figure 17.

Bull/Bear Ratio vs. Consumer Confidence

Source: New York Board of Trade, Commodity Futures Trading Commission, and the Conference Board.

Figure 18.

Bull/Bear Ratio vs. Consumer Comfort Index

Source: New York Board of Trade, Commodity Futures Trading Commission, and Bloomberg.
Figure 19.
S&P 500 Put Call Ratio

Average = 1.616
(1996-2010)

Source: Chicago Board of Options Exchange.

Figure 20.

Average = 1.624
(1996-2010)

Source: Chicago Board of Options Exchange.
Volatility

**Figure 21.**

VIX: S&P 500

Source: Chicago Board Options Exchange.

**Figure 22.**

VIX: NASDAQ 100

Source: Chicago Board Options Exchange.
Figure 23.

NEW YORK STOCK EXCHANGE WEEKLY VOLUME
(billion shares, 4-week moving average)

52-week moving average

Dow Theory

Figure 24.
DOW JONES STOCK AVERAGES
(ratio scale)
Industrials (DJIA)
Transportation (DJTA)


Figure 25.
S&P 500 STOCK INDEXES
(ratio scale)
Industrials Composite*
Transportation Composite

* S&P 500 excluding Financials, Transports, and Utilities.
Source: Standard & Poor’s.
* Dips are declines of less than 10%. Corrections are declines of 10% to 20%. Bear markets are declines of 20% or more. Number of days in parentheses.

Source: Standard & Poor’s Corporation.

Source: Standard & Poor’s.
Figure 28.

S&P 500 INDEX*

Latest price: 2596.26
50-dma: 2635.06
200-dma: 2740.98

(-) Latest price is -1.5% below the 50-dma.
(-) Latest price is -5.6% below the 200-dma.

Source: Standard & Poor’s.

Figure 29.

S&P 500 INDEX TECHNICALS
THE DEATH CROSS & THE GOLDEN CROSS
(50-dma relative to 200-dma, percent, weekly)

Source: Haver Analytics and Standard & Poor’s Corporation.
Figure 30.

S&P 500* (price indexes)

INDUSTRIALS

CONSUMER DISCRETIONARY*

INFORMATION TECHNOLOGY

CONSUMER STAPLES

MATERIALS

ENERGY

REAL ESTATE

FINANCIALS

COMMUNICATION SERVICES

HEALTH CARE

UTILITIES

Includes Real Estate through September 2016

200-day moving average

* S&P 500 sector price indexes on ratio scales.

Source: Haver Analytics and Standard & Poor’s Corporation.
Source: Standard & Poor’s.
S&P 500 Sectors Stock Price Index Relative to S&P 500

Source: Haver Analytics and Standard & Poor’s Corporation.