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thinking outside the box
Figure 1.

S&P STOCK PRICE INDEXES, FORWARD EARNINGS, & VALUATION

* Implied stock price index calculated using actual 52-week consensus expected forward earnings times hypothetical forward P/Es.

Source: Standard & Poor’s and Thomson Reuters I/B/E/S.
Figure 2.

S&P 1500 INDEX*

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200-day moving average.

* Ratio scale.

Source: Standard & Poor’s and Haver Analytics.

Figure 3.

S&P 1500 INDEX, FORWARD EARNINGS, & VALUATION

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* Implied price index calculated using forward earnings times forward P/Es.

Source: Standard & Poor’s Corporation and Thomson Reuters I/B/E/S.
S&P 500 OPERATING EARNINGS PER SHARE
(consensus analysts' estimates in dollars, weekly, ratio scale)

Consensus Forecasts
- Annual Earnings
- Forward Earnings*

*S Time-weighted average of consensus estimates for current and next year.
Source: Thomson Reuters I/B/E/S.
**Figure 5.**

**S&P 500 CONSENSUS ANNUAL OPERATING EARNINGS GROWTH FORECASTS**

(Percent)

- 2011 (14.9)
- 2012 (6.0)
- 2013 (6.1)
- 2014 (7.0)
- 2015 (0.5)
- 2016 (1.5)
- 2017 (10.4)
- 2018 (11.9)

Latest data thru 05/18/17

Source: Thomson Reuters I/B/E/S.

**Figure 6.**

**S&P 500/400/600 FORWARD EARNINGS**

(Dollars per share, ratio scale)

- S&P 500 LargeCap (137)
- S&P 400 MidCap (95)
- S&P 600 SmallCap (43)

* Time-weighted average of consensus estimates for current year and next year.

Source: Thomson Reuters I/B/E/S.
**Figure 8.**
ALL COUNTRY WORLD EX-US MSCI EARNINGS PER SHARE (in local currency)
(analysts’ average forecasts, ratio scale)

* Time-weighted average of consensus estimates for current year and next year. Monthly through December 2005, then weekly.
Source: Thomson Reuters I/B/E/S.

**Figure 9.**
ALL COUNTRY WORLD EX-US MSCI, FORWARD EARNINGS, & VALUATION (in US$)

* Implied price index calculated using forward earnings times forward P/Es. Monthly through December 2005, weekly thereafter.
Source: Morgan Stanley Capital International and Thomson Reuters I/B/E/S.
Figure 10.
EMU MSCI, FORWARD EARNINGS, & VALUATION (in local currency)

- EMU MSCI Index
  - 05/23/17
- Blue Angels Implied Price Index*
  - 05/18/17

* Implied price index calculated using forward earnings times forward P/Es. Monthly through December 2005, weekly thereafter.
Source: Morgan Stanley Capital International and Thomson Reuters I/B/E/S.

Figure 11.
US PURCHASING MANAGERS INDEXES (MARKIT DATA)

- Eurozone PMIs (Markit Data)
  - C-PMI* (May=56.8)
  - M-PMI (May=57.0)
  - NM-PMI (May=56.2)

* Composite of M-PMI and NM-PMI
Source: Markit and Haver Analytics.
Figure 12.

**REAL GDP**
(yearly percent change)

- Eurozone (2.0)
- Japan (1.6)
- UK (2.1)
- US (1.9)

Source: Haver Analytics.

Figure 13.

**REAL GDP**
(yearly percent change)

- Eurozone (2.0)
- France (0.8)
- Germany (1.7)
- Italy (0.8)
- Spain (3.0)

Source: Haver Analytics.
Figure 14.

GERMANY: IFO BUSINESS CONFIDENCE INDEX
(2005=100)

- Total (114.6)
- Current Situation Index (123.2)
- Expectations Index (106.5)

Source: Institut Fur Wirtschaftsforschung.

Figure 15.

REAL GDP GROWTH TREND
(40-quarter percent change, annual rate)

- US (1.4)
- Germany (1.1)
- Japan (0.4)
- UK (1.1)

Source: Haver Analytics.