Stocks. Bonds. Bills. and Inflation ${ }^{\oplus}$

# 2012 Ibbotson ${ }^{\circ}$ SBBI ${ }^{\text {² }}$ Market Report <br> Data as of December 2011 

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## Results for 2011 Capital Markets

## Large Company Stocks

The market for U.S. large company stocks is represented here by the total return on the S\&P 500 (the total return includes reinvestment of dividends). Large company stocks for the year produced a total return of 2.11 percent, while in 2010 the annual return was 15.06 percent. Six of the twelve months of 2011 produced positive returns. The month of October produced the highest return at 10.93 percent, while September produced the lowest return at -7.03 percent.

An index of large company stock total returns, initialized at $\$ 1.00$ on December 31, 1925, increased to $\$ 3,045.22$ by the end of 2011, compared with $\$ 2,982.24$ a year earlier.

## Small Company Stocks

Small company stocks produced a total return of -3.26 percent in 2011. Five of the twelve months of 2011 produced positive returns. The month of October produced the highest return at 15.43 percent, while September produced the lowest return at -10.58 percent.

The cumulative wealth index, initialized at $\$ 1.00$ at the end of 1925 , decreased to $\$ 15,532.07$ at the end of 2011, compared with $\$ 16,054.70$ at the end of 2010.

## Long-Term Corporate Bonds

Long-term corporate bonds (with maturity near 20 years) posted a total return of 17.95 percent in 2011. Total returns were positive in eight of the twelve months during the year with September having the highest return of 5.75 percent, while November had the lowest return of -3.56 .

The bond default premium, or net return from investing in long-term corporate bonds rather than long-term government bonds of equal maturity, was -8.02 percent in 2011 , compared with 2.08 percent in 2010 . The default premium has significantly decreased as credit spreads tightened, reflecting a preference for corporate bonds.

One dollar invested in long-term corporate bonds at yearend 1925 rose to $\$ 157.32$ by the end of 2011 , compared with $\$ 133.38$ at the end of 2010.

## Long-Term Government Bonds

Long-term government bonds (with maturity near 20 years) returned 28.23 percent in 2011. This return was higher than both the 10.14 percent return seen in 2010 and the longterm average return (1926-2011) of 5.72 percent. Eight of the twelve months produced positive returns with August having the highest return at 7.20 percent, and October having the lowest with return of -2.74 percent.

A wealth index of long-term government bonds, initialized at $\$ 1.00$ at year-end 1925 , rose to $\$ 119.78$ by December 2011. The capital appreciation index of long-term government bond returns closed at $\$ 1.39$ at year's end, up from $\$ 1.12$ in 2010. This index reached its all-time high of $\$ 1.43$ in early 1946.

## Results for 2011 Capital Markets

## Intermediate-Term government Bonds

The total return on intermediate-term government bonds (with maturity near 5 years) in 2011 was 9.46 percent. This return was higher than both the 7.12 percent return seen in 2010 and the long-term average return (1926-2011) of 5.40 percent. Returns were positive for eight months of the year with August having the highest return of 2.17 percent while November had the lowest return of -1.27 percent.

The wealth index of intermediate-term government bonds, initialized at $\$ 1.00$ at year-end 1925 , rose to $\$ 92.08$ at the end of 2011 , up from $\$ 84.12$ at year-end 2010.

## Treasury Bills

An investment in bills with approximately 30 days to maturity had another low year-end total return of 0.04 percent in 2011, lower than the return in 2010 of 0.12 percent and well below the long-term average (1926 to 2011) of 3.58 percent. The cumulative index of Treasury bill total returns ended the year at $\$ 20.56$, compared with $\$ 20.55$ a year earlier. Because monthly Treasury bill returns are nearly always positive, each monthly index value typically sets a new all-time high

## Inflation

Consumer prices rose 2.96 percent in 2011, after rising 1.50 percent in 2010. The result is slightly higher than the longterm historical average (1926-2011) of 3.0 percent. Inflation has remained below 5 percent for 29 of the last 30 years (the exception was the 6.11 percent rate seen in 1990).

A cumulative inflation index, initialized at $\$ 1.00$ at year-end 1925 , finished 2011 at $\$ 12.59$, up from $\$ 12.23$ at year-end 2010. That is, a "basket" of consumer goods and services that cost $\$ 1.00$ in 1925 would cost $\$ 12.23$ on Dec. 31, 2011. The two baskets are not identical, but are intended to be comparable.

Graph 1
Wealth Indices of Investments in the U.S. Capital Markets
Index (Year-end $1925=\$ 1.00$ )


Table 1
Basic Series: Annual Total Returns in Percent

From 2002 to 2011

| Year | Large Company <br> Stocks | Small Company <br> Stocks | Long-Term <br> Corporate Bonds | Long-Term <br> Goverrment Bonds | Intermediate-Term <br> Government Bonds | U.S. Treasury <br> Bills |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :--- |
| $\mathbf{2 0 0 2}$ | -22.10 | -13.28 | 16.33 | 17.84 | 12.93 | 1.65 | 2.38 |
| $\mathbf{2 0 0 3}$ | 28.68 | 60.70 | 5.27 | 1.45 | 2.40 | 1.02 | 1.88 |
| $\mathbf{2 0 0 4}$ | 10.88 | 18.39 | 8.72 | 8.51 | 2.25 | 1.20 | 3.26 |
| $\mathbf{2 0 0 5}$ | 4.91 | 5.69 | 5.87 | 7.81 | 1.36 | 2.98 | 3.42 |
| $\mathbf{2 0 0 6}$ | 15.79 | 16.17 | 3.24 | 1.19 | 3.14 | 4.80 | 2.54 |
| $\mathbf{2 0 0 7}$ | 5.49 | -5.22 | 2.60 | 9.88 | 10.05 | 4.66 | 4.08 |
| $\mathbf{2 0 0 8}$ | -37.00 | -36.72 | 8.78 | 25.87 | 13.11 | 1.60 | 0.09 |
| $\mathbf{2 0 0 9}$ | 26.46 | 28.09 | 3.02 | -14.90 | -2.40 | 0.10 | 2.72 |
| $\mathbf{2 0 1 0}$ | 15.06 | 31.26 | 12.44 | 10.14 | 7.12 | 0.12 | 1.50 |
| $\mathbf{2 0 1 1}$ | 2.11 | -3.26 | 17.95 | 28.23 | 9.46 | 0.04 | 2.96 |

Table 2

## Portfolios: Annual Total Returns in Percent

| From 2002 to 2011 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | 100\% Large Company Stocks | 90\% Stocks <br> 10\% Bonds | $\begin{aligned} & \text { 70\% Stocks } \\ & \text { 30\% Bonds } \end{aligned}$ | 50\% Stocks <br> 50\% Bonds | 30\% Stocks <br> 70\% Bonds | 10\% Stocks 90\% Bonds | 100\% Long-Term Govt. Bonds |
| 2002 | -22.10 | -18.45 | -10.90 | -3.04 | 5.12 | 13.54 | 17.84 |
| 2003 | 28.68 | 25.86 | 20.27 | 14.77 | 9.36 | 4.06 | 1.45 |
| 2004 | 10.88 | 10.70 | 10.29 | 9.84 | 9.34 | 8.80 | 8.51 |
| 2005 | 4.91 | 5.28 | 5.96 | 6.58 | 7.12 | 7.60 | 7.81 |
| 2006 | 15.79 | 14.30 | 11.33 | 8.40 | 5.49 | 2.61 | 1.19 |
| 2007 | 5.49 | 6.03 | 7.03 | 7.95 | 8.79 | 9.54 | 9.88 |
| 2008 | -37.00 | -32.14 | -21.55 | -9.72 | 3.43 | 18.02 | 25.87 |
| 2009 | 26.46 | 21.86 | 12.97 | 4.49 | -3.58 | -11.23 | -14.90 |
| 2010 | 15.06 | 14.97 | 14.52 | 13.70 | 12.53 | 11.02 | 10.14 |
| 2011 | 2.11 | 4.77 | 10.07 | 15.34 | 20.56 | 25.70 | 28.23 |

Table 3

## Basic Series: Monthly and Quarterly Returns in Percent

From 2009 to 2011

|  | Large Company Stocks |  |  | Small Stocks | Long-Term <br> Corporate <br> Bonds | Long-Term <br> Government Bonds |  |  |  | Intermediate-Term Government Bonds |  |  |  | $\begin{aligned} & \text { Treasury } \\ & \text { Bills } \end{aligned}$ Bills | Inflation |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Month | Total Return | Income Return | $\begin{aligned} & \text { Cap } \\ & \text { Appr } \end{aligned}$ | Total Return | Total Return | Total Return | Income <br> Return | Cap <br> Appr | Yield | Total Return | Income <br> Return | Cap <br> Appr | Yield | Total Return | Rate |
| 12/10 | 6.68 | 0.15 | 6.53 | 8.19 | -0.36 | -3.88 | 0.32 | -4.20 | 4.14 | -1.71 | 0.11 | -1.82 | 1.70 | 0.01 | 0.17 |
| 1/11 | 2.37 | 0.11 | 2.26 | -1.09 | -1.98 | -1.96 | 0.35 | -2.31 | 4.32 | 0.62 | 0.19 | 0.44 | 2.15 | 0.01 | 0.48 |
| 2/11 | 3.43 | 0.23 | 3.20 | 5.87 | 1.57 | 1.13 | 0.32 | 0.81 | 4.26 | -0.53 | 0.17 | -0.70 | 2.29 | 0.01 | 0.49 |
| 3/11 | 0.04 | 0.15 | -0.11 | 3.25 | -0.72 | -0.06 | 0.36 | -0.42 | 4.29 | -0.05 | 0.19 | -0.24 | 2.34 | 0.01 | 0.98 |
| 4/11 | 2.96 | 0.11 | 2.85 | 1.68 | 2.39 | 1.99 | 0.34 | 1.65 | 4.16 | 1.54 | 0.19 | 1.36 | 2.06 | 0.00 | 0.64 |
| 5/11 | -1.13 | 0.22 | -1.35 | -1.92 | 2.57 | 3.55 | 0.36 | 3.18 | 3.91 | 1.79 | 0.18 | 1.61 | 1.72 | 0.00 | 0.47 |
| 6/11 | -1.67 | 0.16 | -1.83 | -2.16 | -2.10 | -1.27 | 0.32 | -1.60 | 4.04 | 0.51 | 0.14 | 0.37 | 1.64 | 0.00 | -0.11 |
| 7/11 | -2.03 | 0.11 | -2.15 | -2.69 | 4.73 | 5.26 | 0.32 | 4.94 | 3.66 | 1.89 | 0.13 | 1.76 | 1.26 | 0.00 | 0.09 |
| 8/11 | -5.43 | 0.25 | -5.68 | -8.93 | 2.40 | 7.20 | 0.33 | 6.88 | 3.14 | 2.17 | 0.11 | 2.06 | 0.81 | 0.01 | 0.28 |
| 9/11 | -7.03 | 0.15 | -7.18 | -10.58 | 5.75 | 6.84 | 0.25 | 6.59 | 2.65 | -0.24 | 0.07 | -0.31 | 0.87 | 0.00 | 0.15 |
| 10/11 | 10.93 | 0.16 | 10.77 | 15.43 | 0.94 | -2.74 | 0.22 | -2.97 | 2.88 | 1.67 | 0.07 | 1.59 | 0.52 | 0.00 | -0.21 |
| 11/11 | -0.22 | 0.28 | -0.51 | -0.60 | -3.56 | 2.53 | 0.23 | 2.30 | 2.71 | -1.27 | 0.04 | -1.31 | 0.82 | 0.00 | -0.08 |
| 12/11 | 1.02 | 0.17 | 0.85 | 0.86 | 5.12 | 3.24 | 0.22 | 3.03 | 2.48 | 1.04 | 0.07 | 0.97 | 0.59 | 0.00 | -0.25 |
| 2011 | 2.11 | 2.13 | 0.00 | -3.26 | 17.95 | 28.23 | 3.81 | 23.74 | 2.48 | 9.46 | 1.58 | 7.79 | 0.59 | 0.04 | 2.96 |

Quarter

| 1-09 | -11.01 | 0.63 | -11.67 | -16.13 | -12.42 | -6.08 | 0.81 | -6.93 | 3.55 | -0.62 | 0.43 | -1.05 | 1.68 | 0.03 | 1.18 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| II-09 | 15.93 | 0.70 | 15.22 | 24.77 | 8.24 | -8.05 | 0.94 | -8.99 | 4.29 | -3.69 | 0.50 | -4.19 | 2.59 | 0.02 | 1.40 |
| III-09 | 15.61 | 0.60 | 14.98 | 19.32 | 11.09 | 4.30 | 1.06 | 3.22 | 4.03 | 2.29 | 0.62 | 1.66 | 2.22 | 0.03 | 0.13 |
| IV-09 | 6.04 | 0.54 | 5.49 | 2.58 | -2.17 | -5.52 | 1.01 | -6.50 | 4.58 | -0.31 | 0.52 | -0.82 | 2.42 | 0.01 | -0.01 |
| 1-10 | 5.39 | 0.49 | 4.87 | 9.51 | 1.80 | 1.12 | 1.10 | 0.03 | 4.58 | 1.76 | 0.62 | 1.14 | 2.54 | 0.01 | 0.78 |
| II-10 | -11.43 | 0.46 | -11.86 | -7.88 | 8.40 | 12.33 | 1.11 | 11.17 | 3.76 | 3.79 | 0.58 | 3.20 | 1.84 | 0.04 | 0.15 |
| III-10 | 11.29 | 0.55 | 10.72 | 10.58 | 4.98 | 5.64 | 0.92 | 4.71 | 3.41 | 3.39 | 0.39 | 3.00 | 1.15 | 0.04 | 0.22 |
| IV-10 | 10.76 | 0.53 | 10.20 | 17.67 | -2.94 | -8.21 | 0.87 | -9.06 | 4.14 | -1.90 | 0.29 | -2.18 | 1.70 | 0.03 | 0.34 |
| 1-11 | 5.92 | 0.49 | 5.42 | 8.12 | -1.15 | -0.91 | 1.02 | -1.93 | 4.29 | 0.04 | 0.55 | -0.50 | 2.34 | 0.03 | 1.96 |
| II-11 | 0.10 | 0.50 | -0.39 | -2.43 | 2.82 | 4.26 | 1.05 | 3.21 | 4.04 | 3.89 | 0.52 | 3.37 | 1.64 | 0.01 | 1.01 |
| III-11 | -13.87 | 0.49 | -14.33 | -20.76 | 13.40 | 20.56 | 0.95 | 19.54 | 2.65 | 3.85 | 0.31 | 3.54 | 0.87 | 0.01 | 0.52 |
| IV-11 | 11.82 | 0.66 | 11.15 | 15.72 | 2.33 | 2.95 | 0.67 | 2.27 | 2.48 | 1.42 | 0.18 | 1.23 | 0.59 | 0.00 | -0.54 |

Table 4
Portfolios: Monthly and Quarterly Returns in Percent

| From 2009 to 2011 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Month | 100\% Large Company Stocks | $\begin{aligned} & \hline 90 \% \text { Stocks } \\ & 10 \% \text { Bonds } \end{aligned}$ | $\begin{aligned} & \hline 70 \% \text { Stocks } \\ & 30 \% \text { Bonds } \end{aligned}$ | $\begin{aligned} & \text { 50\% Stocks } \\ & 50 \% \text { Bonds } \end{aligned}$ | $\begin{aligned} & \text { 30\% Stocks } \\ & 70 \% \text { Bonds } \end{aligned}$ | $\begin{aligned} & \text { 10\% Stocks } \\ & 90 \% \text { Bonds } \end{aligned}$ | 100\% Long-Term Govt. Bonds |
| 12/10 | 6.68 | 5.63 | 3.51 | 1.40 | -0.71 | -2.82 | -3.88 |
| 1/11 | -2.37 | 1.94 | 1.07 | 0.21 | -0.66 | -1.53 | -1.96 |
| 2/11 | 3.43 | 3.20 | 2.74 | 2.28 | 1.82 | 1.36 | 1.13 |
| 3/11 | 0.04 | 0.03 | 0.01 | -0.01 | -0.03 | -0.05 | -0.06 |
| 4/11 | 2.96 | 2.86 | 2.67 | 2.48 | 2.28 | 2.09 | 1.99 |
| 5/11 | -1.13 | -0.66 | 0.27 | 1.21 | 2.14 | 3.08 | 3.55 |
| 6/11 | -1.67 | -1.63 | -1.55 | -1.47 | -1.39 | -1.31 | -1.27 |
| 7/11 | -2.03 | -1.30 | 0.16 | 1.61 | 3.07 | 4.53 | 5.26 |
| 8/11 | -5.43 | -4.17 | -1.64 | 0.89 | 3.41 | 5.94 | 7.20 |
| 9/11 | -7.03 | -5.64 | -2.87 | -0.10 | 2.68 | 5.45 | 6.84 |
| 10/11 | 10.93 | 9.56 | 6.83 | 4.09 | 1.36 | -1.38 | -2.74 |
| 11/11 | -0.22 | 0.05 | 0.60 | 1.15 | 1.70 | 2.25 | 2.53 |
| 12/11 | 1.02 | 1.25 | 1.69 | 2.13 | 2.58 | 3.02 | 3.24 |
| 2011 | 2.11 | 4.77 | 10.07 | 15.34 | 20.56 | 25.70 | 28.23 |


| Quarter |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{I - 0 9}$ | -11.01 | -10.48 | -9.44 | -8.43 | -7.47 | -6.54 | -6.08 |
| II-09 | 15.93 | 13.43 | 8.49 | 3.65 | -1.10 | -5.76 | -8.05 |
| III-09 | 15.61 | 14.45 | 12.16 | 9.89 | 7.64 | 5.41 | 4.30 |
| IV-09 | 6.04 | 4.86 | 2.51 | 0.19 | -2.11 | -4.39 | -5.52 |
| I-10 | 5.39 | 5.00 | 4.20 | 3.37 | 2.49 | 1.59 | 1.12 |
| II-10 | -11.43 | -9.19 | -4.62 | 0.07 | 4.88 | 9.82 | 12.33 |
| III-10 | 11.29 | 10.85 | 9.88 | 8.80 | 7.61 | 6.32 | 5.64 |
| IV-10 | 10.76 | 5.77 | 4.86 | 1.03 | -2.72 | -6.40 | -8.21 |
| $\mathbf{I - 1 1}$ | 5.92 | 0.53 | 3.85 | 2.48 | 1.12 | -0.24 | -0.91 |
| II-11 | 0.10 | -10.87 | 1.35 | 2.19 | 3.02 | 3.85 | 4.26 |
| III-11 | 11.82 | -4.32 | 2.42 | 9.45 | 16.78 | 20.56 |  |
| IV-11 | 9.29 | 7.54 | 5.74 | 3.90 | 2.95 |  |  |

Table 5

## Basic Series: Monthly Index Values

December 31, 1925=\$1.00

| From 2002 to 2011 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Large Company Stocks |  | Small Stocks | Long-Term <br> Corporate <br> Bonds | Long-Term Governme |  | Intermedi Governme |  | Treasury Bills | Inflation |
| Month | Total Return | Capital Appreciation | Total Return | Total Return | Total Return | Capital Appreciation | Total Return | Capital Appreciation | Total Return |  |
| 12/10 | 2982.240 | 98.560 | 16054.698 | 133.384 | 92.942 | 1.124 | 84.121 | 1.598 | 20.553 | 12.227 |
| 1/11 | 3052.924 | 100.792 | 15879.702 | 130.742 | 91.121 | 1.099 | 84.645 | 1.605 | 20.555 | 12.285 |
| 2/11 | 3157.514 | 104.013 | 16811.840 | 132.801 | 92.152 | 1.107 | 84.196 | 1.593 | 20.557 | 12.346 |
| 3/11 | 3158.770 | 103.904 | 17358.225 | 131.846 | 92.095 | 1.103 | 84.156 | 1.590 | 20.559 | 12.466 |
| 4/11 | 3252.318 | 106.865 | 17649.843 | 134.997 | 93.929 | 1.121 | 85.453 | 1.611 | 20.560 | 12.546 |
| 5/11 | 3215.504 | 105.422 | 17310.966 | 138.468 | 97.261 | 1.157 | 86.984 | 1.637 | 20.560 | 12.605 |
| 6/11 | 3161.904 | 103.497 | 16937.049 | 135.566 | 96.022 | 1.138 | 87.427 | 1.643 | 20.561 | 12.592 |
| 7/11 | 3097.607 | 101.275 | 16481.443 | 141.976 | 101.074 | 1.194 | 89.080 | 1.672 | 20.560 | 12.603 |
| 8/11 | 2929.340 | 95.524 | 15009.650 | 145.378 | 108.355 | 1.276 | 91.013 | 1.706 | 20.562 | 12.638 |
| 9/11 | 2723.410 | 88.668 | 13421.629 | 153.736 | 115.765 | 1.361 | 90.792 | 1.701 | 20.562 | 12.657 |
| 10/11 | 3021.060 | 98.220 | 15492.586 | 155.178 | 112.589 | 1.320 | 92.305 | 1.728 | 20.562 | 12.631 |
| 11/11 | 3014.384 | 97.723 | 15399.631 | 149.657 | 115.437 | 1.351 | 91.131 | 1.705 | 20.562 | 12.620 |
| 12/11 | 3045.218 | 98.557 | 15532.068 | 157.324 | 119.183 | 1.391 | 92.080 | 1.722 | 20.562 | 12.589 |

Table 6

## Portfolios: Monthly Index Values

December 31, 1925=\$1.00

| From 2002 to |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Month | 100\% Large Company Stocks | $\begin{aligned} & 90 \% \text { Stocks } \\ & 10 \% \text { Bonds } \end{aligned}$ | $\begin{aligned} & \text { 70\% Stocks } \\ & \text { 30\% Bonds } \end{aligned}$ | 50\% Stocks 50\% Bonds | $\begin{aligned} & \text { 30\% Stocks } \\ & 70 \% \text { Bonds } \end{aligned}$ | $\begin{aligned} & \text { 10\% Stocks } \\ & 90 \% \text { Bonds } \end{aligned}$ | 100\% Long-Term Govt. Bonds |
| 12/10 | 2982.240 | 2458.117 | 1505.205 | 804.048 | 375.239 | 153.070 | 92.942 |
| 1/11 | 3052.924 | 2505.734 | 1521.328 | 805.697 | 372.758 | 150.732 | 91.121 |
| 2/11 | 3157.514 | 2585.830 | 1562.977 | 824.058 | 379.543 | 152.784 | 92.152 |
| 3/11 | 3158.770 | 2586.596 | 1563.124 | 823.968 | 379.425 | 152.706 | 92.095 |
| 4/11 | 3252.318 | 2660.688 | 1604.864 | 844.371 | 388.083 | 155.894 | 93.929 |
| 5/11 | 3215.504 | 2643.023 | 1609.230 | 854.572 | 396.404 | 160.696 | 97.261 |
| 6/11 | 3161.904 | 2600.002 | 1584.299 | 842.002 | 390.885 | 158.584 | 96.022 |
| 7/11 | 3097.607 | 2566.099 | 1586.756 | 855.593 | 402.897 | 165.772 | 101.074 |
| 8/11 | 2929.340 | 2459.128 | 1560.708 | 863.170 | 416.646 | 175.618 | 108.355 |
| 9/11 | 2723.410 | 2320.359 | 1515.928 | 862.346 | 427.806 | 185.193 | 115.765 |
| 10/11 | 3021.060 | 2542.233 | 1619.428 | 897.641 | 433.617 | 182.644 | 112.589 |
| 11/11 | 3014.384 | 2543.608 | 1629.214 | 908.004 | 441.008 | 186.763 | 115.437 |
| 12/11 | 3045.218 | 2575.278 | 1656.739 | 927.380 | 452.379 | 192.408 | 119.183 |

Table 7
Basic Series and Portfolios: Summary Statistics of Annual Total Returns in Percent

| Asset Class | From 1926 to 2011 |  |  |
| :---: | :---: | :---: | :---: |
|  | Geometric Mean | Arithmetic Mean | Standard Deviation |
| Large Company Stocks | 9.8 | 11.8 | 20.3 |
| Small Company Stocks | 11.9 | 16.5 | 32.5 |
| Long-Term Corporate Bonds | 6.1 | 6.4 | 8.4 |
| Long-Term Government Bonds | 5.7 | 6.1 | 9.8 |
| Intermediate-Term Government Bonds | 5.4 | 5.5 | 5.7 |
| U.S. Treasury Bills | 3.6 | 3.6 | 3.1 |
| Inflation | 3.0 | 3.1 | 4.2 |
| 90\% Stocks/10\% Bonds | 9.6 | 11.2 | 18.3 |
| 70\% Stocks/30\% Bonds | 9.0 | 10.0 | 14.5 |
| 50\% Stocks/50\% Bonds | 8.3 | 8.9 | 11.3 |
| 30\% Stocks/70\% Bonds | 7.4 | 7.8 | 9.3 |
| 10\% Stocks/90\% Bonds | 6.3 | 6.7 | 9.1 |

Table 8

## Derived Series: Monthly and Quarterly Returns in Percent

From 2009 to 2011

| Month |  |  |  |  | Inflation Adjusted Total Returns (\%) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Equity Risk Premia | Small Stock Premia | Bond Default Premia | Bond Horizon Premia | Large Stocks | Small Stocks | LT-Corp Bonds | LT-Govt Bonds | IT-Govt Bonds | T-Bill |
| 12/10 | 6.67 | 1.41 | 3.66 | -3.89 | 6.50 | 8.00 | -0.53 | -4.05 | -1.88 | -0.16 |
| 1/11 | 2.36 | -3.38 | -0.02 | -1.97 | 1.88 | -1.56 | -2.45 | -2.42 | 0.15 | -0.47 |
| 2/11 | 3.41 | 2.36 | 0.44 | 1.12 | 2.92 | 5.35 | 1.08 | 0.64 | -1.02 | -0.48 |
| 3/11 | 0.03 | 3.21 | -0.66 | -0.07 | -0.93 | 2.25 | -1.68 | -1.03 | -1.01 | -0.96 |
| 4/11 | 2.96 | -1.24 | 0.39 | 1.99 | 2.30 | 1.03 | 1.74 | 1.34 | 0.89 | -0.64 |
| 5/11 | -1.13 | -0.80 | -0.94 | 3.55 | -1.59 | -2.38 | 2.09 | 3.06 | 1.32 | -0.47 |
| 6/11 | -1.67 | -0.50 | -0.83 | -1.28 | -1.56 | -2.06 | -1.99 | -1.17 | 0.62 | 0.11 |
| 7/11 | -2.03 | -0.67 | -0.51 | 5.26 | -2.12 | -2.78 | 4.63 | 5.17 | 1.80 | -0.09 |
| 8/11 | -5.44 | -3.70 | -4.48 | 7.19 | -5.69 | -9.18 | 2.12 | 6.91 | 1.89 | -0.27 |
| 9/11 | -7.03 | -3.82 | -1.02 | 6.84 | -7.17 | -10.72 | 5.59 | 6.68 | -0.39 | -0.15 |
| 10/11 | 10.93 | 4.06 | 3.79 | -2.74 | 11.16 | 15.67 | 1.15 | -2.54 | 1.88 | 0.21 |
| 11/11 | -0.22 | -0.38 | -5.94 | 2.53 | -0.14 | -0.52 | -3.48 | 2.62 | -1.19 | 0.08 |
| 12/11 | 1.02 | -0.16 | 1.82 | 3.24 | 1.27 | 1.11 | 5.38 | 3.50 | 1.29 | 0.25 |


| Quarter |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1-09 | -11.04 | -5.75 | -6.75 | -6.11 | -12.05 | -17.10 | 16.35 | -7.18 | -1.78 | -1.14 |
| II-09 | 15.90 | 7.62 | 17.72 | -8.07 | 14.33 | 23.04 | 6.74 | -9.33 | -5.02 | -1.36 |
| III-09 | 15.57 | 3.21 | 6.50 | 4.27 | 15.46 | 19.16 | 10.94 | 4.17 | 2.16 | -0.09 |
| IV-09 | 6.03 | -3.26 | 3.55 | -5.53 | 6.05 | 2.59 | -2.16 | -5.51 | -0.30 | 0.02 |
| -10 | 5.38 | 3.91 | 0.68 | 1.11 | 4.57 | 8.66 | 1.02 | 0.34 | 0.97 | -0.76 |
| II-10 | -11.46 | 4.00 | -3.50 | 12.29 | -11.56 | -8.02 | 8.23 | 12.16 | 3.63 | -0.12 |
| III-10 | 11.25 | -0.64 | -0.63 | 5.60 | 11.05 | 10.34 | 4.75 | 5.41 | 3.16 | -0.18 |
| IV-10 | 10.72 | 6.24 | 5.74 | -8.24 | 10.38 | 17.27 | -3.27 | -8.52 | -2.23 | -0.30 |
| 1-11 | 5.89 | 2.08 | -0.24 | -0.94 | 3.89 | 6.04 | -3.05 | -2.81 | -1.88 | -1.89 |
| II-11 | 0.09 | $-2.52$ | -1.38 | 4.25 | -0.90 | -3.40 | 1.79 | 3.22 | 2.85 | -0.99 |
| III-11 | -13.87 | -8.00 | -5.94 | 20.55 | -14.31 | -21.16 | 12.82 | 19.94 | 3.32 | -0.51 |
| IV-11 | 11.82 | 3.49 | -0.60 | 2.95 | 12.42 | 16.35 | 2.89 | 3.51 | 1.97 | 0.54 |

Table 9
Derived Series: Monthly Index Values
December 31, $1925=\$ 1.00$

| Month | Inflation Adjusted Total Return (\$) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Large Stocks | Small Stocks | LT-Corp Bonds | LT-Govt Bonds | IT-Govt Bonds | T-Bill |
| 12/10 | 243.909 | 1313.068 | 10.909 | 7.601 | 6.880 | 1.681 |
| 1/11 | 248.506 | 1292.599 | 10.642 | 7.417 | 6.890 | 1.673 |
| 2/11 | 255.759 | 1361.759 | 10.757 | 7.464 | 6.820 | 1.665 |
| 3/11 | 253.390 | 1392.438 | 10.576 | 7.388 | 6.751 | 1.649 |
| 4/11 | 259.225 | 1406.773 | 10.760 | 7.487 | 6.811 | 1.639 |
| 5/11 | 255.090 | 1373.302 | 10.985 | 7.716 | 6.901 | 1.631 |
| 6/11 | 251.107 | 1345.079 | 10.766 | 7.626 | 6.943 | 1.633 |
| 7/11 | 245.783 | 1307.738 | 11.265 | 8.020 | 7.068 | 1.631 |
| 8/11 | 231.792 | 1187.682 | 11.503 | 8.574 | 7.202 | 1.627 |
| 9/11 | 215.171 | 1060.415 | 12.146 | 9.146 | 7.173 | 1.625 |
| 10/11 | 239.181 | 1226.567 | 12.286 | 8.914 | 7.308 | 1.628 |
| 11/11 | 238.854 | 1220.237 | 11.859 | 9.147 | 7.221 | 1.629 |
| 12/11 | 241.894 | 1233.774 | 12.497 | 9.467 | 7.314 | 1.633 |

## Glossary

## Bond Default Premia

Calculated as the geometric difference between long-term corporate bond total returns and long-term government bond total returns.

## Bond Horizon Premia

Calculated as the geometric difference between long-term government bond total returns and Treasury bill total returns.

## Equity Risk Premia

Calculated as the geometric difference between large company stock total returns and U.S.
Treasury bill total returns.

## Inflation

Represented by Consumer Price Index for All Urban Consumer (CPI-U), not seasonally adjusted.

## Intermediate-Term Government Bonds

Measured using a one-bond portfolio with a maturity near 5 years.

## Large Company Stocks

Represented by the Standard and Poor's 500
Stock Composite Index® (S\&P 500) 1957-present; and the S\&P 90, 1926-1956.

## Long-Term Corporate Bonds

Represented by the Citigroup long-term, high-grade corporate bond total return index.

## Long-Term Government Bonds

Measured using a one-bond portfolio with a
Maturity near 20 years.

## Small Company Stocks

A portfolio of stocks represented by the fifth capitalization quintile of stocks on the NYSE for 1926-1981. For January 1982 to March 2001, the series is represented by the DFA U.S. 9-10 Small Company Portfolio and the DFA U.S. Micro Cap Portfolio thereafter.

## Small Stock Premia

Calculated as the geometric difference between small company stock total returns and large company stock total returns.

## U.S. Treasury Bills

Measured by rolling over each month a one-bill portfolio containing, at the beginning of each month, the bill having the shortest maturity not less than one month.

