Stocks, Bonds, Bills, and Inflation®

2015 Ibbotson[®] SBBI[®] Market Report

Data as of December 2014



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Results for 2014 Capital Markets

Large-Cap Stocks

The market for U.S. large-capitalization stocks is represented here by the total return on the S&P 500 Index (the total return includes reinvestment of dividends). Large-cap stocks for the year posted a total return of 13.69%, down from 32.39% in 2013. Eight months of 2014 produced positive returns; February delivered the highest return at 4.57%, while January's -3.46% was the lowest.

An index of large-cap stock total returns, started at \$1.00 on Dec. 31, 1925, increased to \$5,316.85 by the end of 2014. That was up from \$4,676.88 a year earlier.

Small-Cap Stocks

Small-cap stocks delivered a total return of 2.92% in 2014, down from 45.07% the prior year. Seven months of 2014 produced positive returns; October posted the highest return at 6.52%, while September and July saw losses of 5.69% and 5.84%, respectively.

The cumulative wealth index grew to \$27,419.32 from \$1.00 at the end of 1925 and \$26,641.17 at the end of 2013.

Long-Term Corporate Bonds

Long-term corporate bonds (with maturity near 20 years) returned 17.28% in 2014, well ahead of the 7.07% loss the previous year. Total returns were positive in 11 months of 2014, with August having the highest return of 3.56%, and September, at -2.71%, the lowest.

The bond default premium, or net return from investing in long-term corporate bonds rather than long-term government bonds of equal maturity, was negative at -5.32% in 2014, compared with 4.84% in 2013.

One dollar invested in long-term corporate bonds at yearend 1925 grew to \$189.76 at the end of 2014, up from \$161.80 a year earlier.

Long-Term Government Bonds

Long-term government bonds (with maturity near 20 years) returned 23.87% in 2014. This return was significantly higher than the -11.36% return in 2013 and more than four times the long-term average return (1926–2014) of 5.7%. Ten months produced positive returns, with January's the highest at 4.99%, and the -1.72% in September the lowest.

A wealth index of long-term government bonds grew to \$135.18 at year-end 2014 from \$1.00 at year-end 1925. The capital appreciation index of long-term government bond returns closed at \$1.44 at year's end, up from \$1.19 in 2013. December's close hit an all-time high, finally eclipsing the previous high set in February 1946.



Results for 2014 Capital Markets

Intermediate-Term Government Bonds

The total return on intermediate-term government bonds (with maturity near five years) in 2014 was 3.12%, above the -1.07% in 2013, but below the long-term (1926–2014) average return of 5.3%. Five months had positive returns, with October posting the highest return of 2.26% while June had the lowest return at -1.03%.

The wealth index of intermediate-term government bonds grew to \$95.88 as of year-end 2014 after starting at \$1.00 at year-end 1925. The index dipped in 2013 to \$92.98.

Treasury Bills

An investment in bills with approximately 30 days to maturity returned 0.02% in 2014, repeating the return of 2013 and trailing the long-term average (1926—2014) of 3.5%. The cumulative index of Treasury bill total returns ended the year at \$20.58, unchanged from a year earlier. Because monthly Treasury bill returns are nearly always positive, each monthly index value typically sets a new all-time high.

Inflation

Inflation decreased to 0.76% in 2014, compared to 1.50% in 2013. The result is lower than the long-term historical average (1926–2014) of 2.9%. Inflation has remained below 5% for 32 of the last 33 years (the exception was the 6.11% rate in 1990).

A cumulative inflation index, beginning at \$1.00 at year-end 1925, finished 2014 at \$13.10, up from \$13.00 at year-end 2013. That is, a "basket" of consumer goods and services that cost \$1.00 in 1925 would cost \$13.10 today. The two baskets are not identical, but are intended to be comparable.

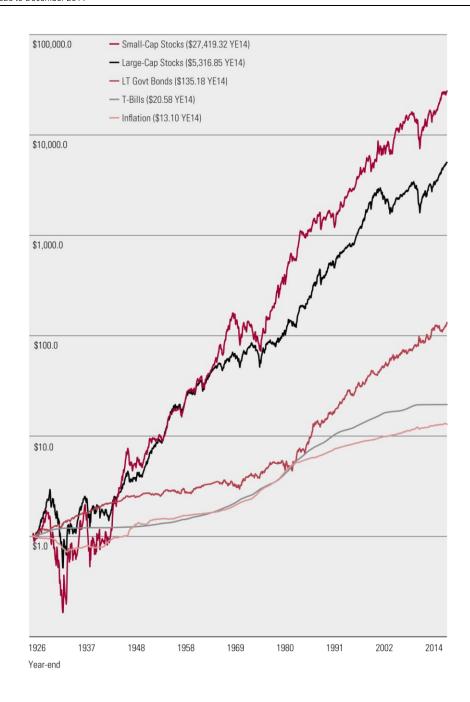


Graph 1

$\label{eq:Wealth Indexes} \textbf{Wealth Indexes of Investments in the U.S. Capital Markets}$

Index (Dec. 31, 1925 = \$1.00)

From December 1925 to December 2014





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Table 1

Basic Series: Annual Total Returns in Percent

Year	Large-Cap Stocks	Small-Cap Stocks	Long-Term Corporate Bonds	Long-Term Government Bonds	Intermediate-Term Government Bonds	U.S. Treasury Bills	Inflation
2005	4.91	5.69	5.87	7.81	1.36	2.98	3.42
2006	15.79	16.17	3.24	1.19	3.14	4.80	2.54
2007	5.49	-5.22	2.60	9.88	10.05	4.66	4.08
2008	-37.00	-36.72	8.78	25.87	13.11	1.60	0.09
2009	26.46	28.09	3.02	-14.90	-2.40	0.10	2.72
2010	15.06	31.26	12.44	10.14	7.12	0.12	1.50
2011	2.11	-3.26	17.95	28.23	9.46	0.04	2.96
2012	16.00	18.24	10.68	3.31	2.07	0.06	1.74
2013	32.39	45.07	-7.07	-11.36	-1.07	0.02	1.50
2014	13.69	2.92	17.28	23.87	3.12	0.02	0.76



Table 2 **Portfolios: Annual Total Returns in Percent**

Year	100% Large- Cap Stocks	90% Stocks 10% Bonds	70% Stocks 30% Bonds	50% Stocks 50% Bonds	30% Stocks 70% Bonds	10% Stocks 90% Bonds	100% Long-Term Govt. Bonds
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
2012	16.00	14.83	12.42	9.91	7.32	4.66	3.31
2013	32.39	27.33	17.70	8.69	0.26	-7.62	-11.36
2014	13.69	14.73	16.80	18.84	20.87	22.87	23.87



Table 3 Basic Series: Monthly and Quarterly Returns in Percent $\,$

	Large-Ca Stocks	эр		Small-Cap Stocks	Long-Term Corporate Bonds	Long-Tei Governm	rm nent Bonds				iate-Term ent Bonds			Treasury Bills	Inflation
Month	Total Return	Income Return	Cap Appr	Total Return	Total Return	Total Return	Income Return	Cap Appr	Yield	Total Return	Income Return	Cap Appr	Yield	Total Return	Rate
12/13	2.53	0.18	2.36	1.89	0.02	-1.64	0.31	-2.81	3.67	-0.19	0.09	-0.29	1.13	0.00	-0.01
1/14	-3.46	0.10	-3.56	-4.43	3.31	4.99	0.31	4.68	3.35	1.56	0.14	1.42	1.33	0.00	0.37
2/14	4.57	0.26	4.31	4.21	1.68	-0.10	0.25	-0.35	3.38	0.26	0.10	0.16	1.29	0.00	0.37
3/14	0.84	0.15	0.69	0.97	0.62	1.26	0.29	0.98	3.31	-0.69	0.11	-0.80	1.46	0.00	0.64
4/14	0.74	0.12	0.62	-3.41	1.60	1.38	0.27	1.11	3.24	0.97	0.12	0.85	1.28	0.00	0.33
5/14	2.35	0.24	2.10	0.10	1.88	2.71	0.28	2.43	3.07	0.46	0.11	0.35	1.20	0.00	0.35
6/14	2.07	0.16	1.91	4.34	0.20	0.28	0.25	0.03	3.07	-1.03	0.10	-1.13	1.45	0.00	0.19
7/14	-1.38	0.13	-1.51	-5.84	0.24	1.10	0.26	0.84	3.01	-0.02	0.12	-0.14	1.48	0.00	-0.04
8/14	4.00	0.23	3.77	4.54	3.56	3.11	0.25	2.86	2.81	-0.13	0.12	-0.25	1.54	0.00	-0.17
9/14	-1.40	0.15	-1.55	-5.69	-2.71	-1.72	0.23	-1.94	2.95	-0.09	0.13	-0.22	1.59	0.00	0.08
10/14	2.44	0.12	2.32	6.52	2.25	3.54	0.25	3.30	2.73	2.26	0.13	2.12	1.09	0.00	-0.25
11/14	2.69	0.24	2.45	-0.75	1.73	1.64	0.22	1.42	2.63	-0.01	0.09	-0.10	1.12	0.00	-0.54
12/14	-0.25	0.17	-0.42	3.37	1.83	3.59	0.22	3.37	2.40	-0.43	0.10	-0.52	1.24	0.00	-0.57
2014	13.69	2.16	11.39	2.92	17.28	23.87	3.33	20.17	2.40	3.12	1.39	1.72	1.24	0.02	0.76
Quarter															
I-12	12.59	0.57	12.00	12.25	-0.59	-4.75	0.62	-5.36	2.90	-0.75	0.20	-0.94	0.97	0.01	1.65
II-12	-2.75	0.53	-3.29	-3.60	6.72	9.52	0.67	8.84	2.25	2.74	0.19	2.55	0.44	0.01	0.04
III-12	6.35	0.58	5.76	6.46	3.81	0.46	0.54	-0.08	2.26	-0.23	0.11	-0.34	0.51	0.02	0.84
IV-12	-0.38	0.62	-1.01	2.63	0.49	-1.42	0.58	-1.99	2.41	0.32	0.09	0.24	0.46	0.02	-0.78
I-13	10.61	0.56	10.03	12.05	-2.40	-2.28	0.64	-2.92	2.84	-0.17	0.15	-0.33	0.77	0.01	1.38
II-13	2.91	0.55	2.36	4.83	-5.69	-5.82	0.71	-6.50	3.29	-0.91	0.17	-1.08	1.01	0.01	0.31
III-13	5.24	0.55	4.69	10.98	-0.29	-0.97	0.85	-1.83	3.42	0.03	0.26	-0.23	1.06	0.00	0.28
IV-13	10.52	0.58	9.92	11.29	1.25	-2.74	0.85	-4.43	3.67	-0.02	0.26	-0.29	1.13	0.01	-0.47
I-14	1.81	0.50	1.30	0.56	5.71	6.21	0.87	5.33	3.31	1.12	0.35	0.77	1.46	0.01	1.39
II-14	5.23	0.53	4.69	0.88	3.71	4.42	0.81	3.60	3.07	0.40	0.33	0.07	1.45	0.00	0.87
III-14	1.13	0.51	0.62	-7.17	1.01	2.45	0.75	1.70	2.95	-0.24	0.37	-0.61	1.59	0.00	-0.13
IV-14	4.93	0.54	4.39	9.28	5.91	9.02	0.71	8.29	2.40	1.81	0.32	1.49	1.24	0.00	-1.35



 $\label{eq:table 4} \textbf{Portfolios: Monthly and Quarterly Returns in Percent}$

Month	100% Large- Cap Stocks	90% Stocks 10% Bonds	70% Stocks 30% Bonds	50% Stocks 50% Bonds	30% Stocks 70% Bonds	10% Stocks 90% Bonds	100% Long-Term Govt. Bonds
12/13	2.53	2.11	1.28	0.45	-0.39	-1.22	-1.64
1/14	-3.46	-2.61	-0.92	0.77	2.46	4.15	4.99
2/14	4.57	4.11	3.17	2.24	1.30	0.37	-0.10
3/14	0.84	0.88	0.97	1.05	1.14	1.22	1.26
4/14	0.74	0.80	0.93	1.06	1.19	1.32	1.38
5/14	2.35	2.38	2.46	2.53	2.60	2.67	2.71
6/14	2.07	1.89	1.53	1.17	0.82	0.46	0.28
7/14	-1.38	-1.13	-0.64	-0.14	0.35	0.85	1.10
8/14	4.00	3.91	3.73	3.56	3.38	3.20	3.11
9/14	-1.40	-1.43	-1.50	-1.56	-1.62	-1.68	-1.72
10/14	2.44	2.55	2.77	2.99	3.21	3.43	3.54
11/14	2.69	2.58	2.37	2.16	1.95	1.74	1.64
12/14	-0.25	0.13	0.90	1.67	2.44	3.20	3.59
2014	13.69	14.73	16.80	18.84	20.87	22.87	23.87
Quarter							
I-12	12.59	10.77	7.19	3.68	0.25	-3.10	-4.75
II-12	-2.75	-1.51	0.97	3.44	5.88	8.31	9.52
III-12	6.35	5.76	4.58	3.40	2.22	1.04	0.46
IV-12	-0.38	-0.47	-0.67	-0.88	-1.09	-1.31	-1.42
I-13	10.61	9.28	6.66	4.07	1.51	-1.02	-2.28
II-13	2.91	2.04	0.30	-1.45	-3.20	-4.95	-5.82
III-13	5.24	4.62	3.38	2.14	0.89	-0.35	-0.97
IV-13	10.51	9.14	6.42	3.75	1.12	-1.46	-2.74
l-14	1.81	2.28	3.21	4.10	4.97	5.80	6.21
II-14	5.23	5.15	4.99	4.83	4.67	4.50	4.42
III-14	1.13	1.26	1.53	1.80	2.06	2.32	2.45
IV-14	4.93	5.34	6.16	6.98	7.79	8.61	9.02

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Table 5 **Basic Series: Monthly Index Values**Dec. 31, 1925 = \$1.00

	Large-Cap Stocks		Small-Cap Stocks	Long-Term Corporate Bonds	Long-Term Government	Bonds	Intermediat Governmen		Treasury Bills	Inflation
Month	Total Return	Capital Appreciation	Total Return	Total Return	Total Return	Capital Appreciation	Total Return	Capital Appreciation	Total Return	
12/13	4,676.682	144.853	26,641.173	161.802	109.138	1.195	92.977	1.714	20.579	13.001
1/14	4,514.990	139.699	25,460.969	167.162	114.584	1.251	94.424	1.738	20.580	13.049
2/14	4,721.522	145.722	26,532.876	169.977	114.470	1.247	94.674	1.741	20.581	13.097
3/14	4,761.210	146.732	26,790.245	171.035	115.916	1.259	94.023	1.727	20.581	13.182
4/14	4,796.405	147.642	25,876.698	173.771	117.515	1.273	94.939	1.742	20.581	13.225
5/14	4,908.996	150.747	25,902.574	177.034	120.695	1.304	95.376	1.748	20.582	13.271
6/14	5,010.404	153.620	27,026.746	177.389	121.036	1.305	94.395	1.729	20.582	13.296
7/14	4,941.306	151.303	25,448.384	177.820	122.363	1.315	94.381	1.726	20.582	13.291
8/14	5,138.983	157.001	26,603.741	184.154	126.169	1.353	94.254	1.722	20.582	13.269
9/14	5,066.916	154.565	25,089.988	179.172	124.005	1.327	94.172	1.718	20.582	13.279
10/14	5,190.676	158.151	26,725.855	183.199	128.398	1.370	96.297	1.755	20.583	13.245
11/14	5,330.277	162.031	26,525.411	186.359	130.501	1.390	96.286	1.753	20.582	13.174
12/14	5,316.850	161.353	27,419.317	189.762	135.185	1.437	95.875	1.744	20.583	13.099



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Table 6 **Portfolios: Monthly Index Values**Dec. 31, 1925 = \$1.00

Month	100% Large- Cap Stocks	90% Stocks 10% Bonds	70% Stocks 30% Bonds	50% Stocks 50% Bonds	30% Stocks 70% Bonds	10% Stocks 90% Bonds	100% Long-Term Govt. Bonds
12/13	4,676.682	3,765.535	2,192.132	1,107.822	486.743	186.031	109.138
1/14	4,514.990	3,667.155	2,171.897	1,116.313	498.698	193.743	114.584
2/14	4,721.522	3,817.763	2,240.791	1,141.287	505.192	194.455	114.470
3/14	4,761.210	3,851.469	2,262.470	1,153.294	510.935	196.830	115.916
4/14	4,796.405	3,882.404	2,283.538	1,165.510	517.001	199.419	117.515
5/14	4,908.996	3,974.933	2,339.601	1,194.961	530.435	204.744	120.695
6/14	5,010.404	4,049.956	2,375.413	1,208.989	534.771	205.687	121.036
7/14	4,941.306	4,004.130	2,360.296	1,207.282	536.663	207.433	122.363
8/14	5,138.983	4,160.752	2,448.419	1,250.208	554.790	214.070	126.169
9/14	5,066.916	4,101.102	2,411.785	1,230.720	545.794	210.466	124.005
10/14	5,190.676	4,205.782	2,478.650	1,267.547	563.327	217.689	128.398
11/14	5,330.277	4,314.474	2,537.497	1,294.976	574.333	221.485	130.501
12/14	5,316.850	4,320.176	2,560.341	1,316.581	588.326	228.582	135.185



	From 1926 to 2014			
Asset Class	Geometric Mean	Arithmetic Mean	Standard Deviation	
Large-Cap Stocks	10.1	12.1	20.1	
Small-Cap Stocks	12.2	16.7	32.1	
Long-Term Corporate Bonds	6.1	6.4	8.4	
Long-Term Government Bonds	5.7	6.1	10.0	
Intermediate-Term Government Bonds	5.3	5.4	5.6	
U.S. Treasury Bills	3.5	3.5	3.1	
Inflation	2.9	3.0	4.1	
90% Stocks/10% Bonds	9.9	11.4	18.1	
70% Stocks/30% Bonds	9.2	10.2	14.3	
50% Stocks/50% Bonds	8.4	9.0	11.2	
30% Stocks/70% Bonds	7.4	7.8	9.3	
10% Stocks/90% Bonds	6.3	6.7	9.2	



 $\label{eq:table 8} \textbf{Derived Series: Monthly and Quarterly Returns in Percent}$

	Inflation Adjusted Total Returns (%)									
Month	Equity Risk Premium*	Small-Cap Premium	Bond Default Premium	Bond Horizon Premium	Large-Cap Stocks	Small-Cap Stocks	LT-Corp Bonds	LT-Govt Bonds	IT-Govt Bonds	T-Bill
12/13	2.53	-0.63	1.69	-1.64	2.54	1.90	0.03	-1.63	-0.18	0.01
1/14	-3.46	-1.01	-1.60	4.99	-3.82	-4.78	2.93	4.60	1.18	-0.37
2/14	4.57	-0.35	1.79	-0.10	4.19	3.83	1.31	-0.47	-0.10	-0.36
3/14	0.84	0.13	-0.63	1.26	0.20	0.32	-0.02	0.62	-1.32	-0.64
4/14	0.74	-4.12	0.22	1.38	0.41	-3.73	1.27	1.05	0.64	-0.33
5/14	2.35	-2.20	-0.81	2.71	1.99	-0.25	1.52	2.35	0.11	-0.35
6/14	2.06	2.23	-0.08	0.28	1.88	4.15	0.01	0.10	-1.21	-0.18
7/14	-1.38	-4.52	-0.84	1.10	-1.34	-5.80	0.28	1.14	0.02	0.04
B/14	4.00	0.52	0.44	3.11	4.17	4.71	3.74	3.28	0.03	0.17
9/14	-1.40	-4.35	-1.01	-1.72	-1.48	-5.76	-2.78	-1.79	-0.16	-0.07
10/14	2.44	3.98	-1.25	3.54	2.70	6.79	2.51	3.80	2.51	0.25
11/14	2.69	-3.35	0.09	1.64	3.25	-0.21	2.28	2.19	0.53	0.54
12/14	-0.25	3.63	-1.70	3.59	0.32	3.96	2.41	4.18	0.14	0.57
2014	13.67	-9.47	-5.32	23.85	12.83	2.15	16.40	22.94	2.34	-0.73
Quarter										
l-12	12.58	-0.30	4.37	-4.75	10.76	10.43	-2.20	-6.29	-2.36	-1.61
II-12	-2.76	-0.87	-2.56	9.51	-2.79	-3.63	6.68	9.48	2.71	-0.03
III-12	6.34	0.10	3.34	0.44	5.47	5.58	2.94	-0.38	-1.06	-0.82
V-12	-0.40	3.02	1.94	-1.44	0.41	3.44	1.28	-0.64	1.11	0.81
l-13	10.60	1.30	-0.13	-2.28	9.10	10.52	-3.73	-3.61	-1.53	-1.36
II-13	2.90	1.86	0.14	-5.83	2.59	4.50	-5.98	-6.12	-1.22	-0.31
III-13	5.25	5.45	0.69	-0.98	4.96	10.68	-0.56	-1.25	-0.24	-0.27
V-13	10.51	0.70	4.11	-2.75	11.04	11.81	1.73	-2.28	0.45	0.48
l-14	1.80	-1.23	-0.48	6.20	0.41	-0.82	4.25	4.75	-0.26	-1.36
II-14	5.23	-4.13	-0.67	4.41	4.33	0.02	2.82	3.52	-0.47	-0.86
III-14	1.13	-8.20	-1.41	2.45	1.26	-7.04	1.14	2.59	-0.11	0.13
V-14	4.93	4.15	-2.85	9.01	6.37	10.78	7.36	10.51	3.20	1.37



^{*} In this table, equity risk premium is calculated as the geometric difference between large-cap stock total returns and U.S. Treasury bill total returns.

Table 9 **Derived Series: Monthly Index Values**Dec. 31, 1925 = \$1.00

	Inflation Adjusted	Inflation Adjusted Total Return (\$)									
Month	Large Stocks	Small Stocks	LT-Corp Bonds	LT-Govt Bonds	IT-Govt Bonds	T-Bill					
12/13	359.728	2,049.227	12.446	8.395	7.152	1.583					
1/14	346.004	1,951.187	12.810	8.781	7.236	1.577					
2/14	360.498	2,025.841	12.978	8.740	7.229	1.571					
3/14	361.202	2,032.403	12.975	8.794	7.133	1.561					
4/14	362.677	1,956.647	13.140	8.886	7.179	1.556					
5/14	369.898	1,951.787	13.340	9.095	7.187	1.551					
6/14	376.838	2,032.709	13.342	9.103	7.100	1.548					
7/14	371.786	1,914.746	13.379	9.207	7.101	1.549					
8/14	387.306	2,005.025	13.879	9.509	7.104	1.551					
9/14	381.587	1,889.517	13.493	9.339	7.092	1.550					
10/14	391.892	2,017.783	13.831	9.694	7.270	1.554					
11/14	404.617	2,013.521	14.146	9.906	7.309	1.562					
12/14	405.899	2,093.246	14.487	10.320	7.319	1.571					



Table 10

Long-Horizon Expected Equity Risk Premium and Size Premium

As of Dec. 31, 2014

Equity Risk Premium

Long-horizon expected equity risk premium (historical): large-cap stock total returns minus long-term government bond income returns ¹

7.00%

Long-horizon expected equity risk premium (supply-side): historical equity risk premium minus price-to-earnings ratio calculated using three-year average earnings

6.19%

Size Premiums (market capitalization in millions)²

Decile	Smallest Company		Largest Company	Size Premium (Return in Excess of CAPM)
Mid-Cap (3-5)	2,552,441	_	10,105,622	1.10%
Low-Cap (6-8)	549,056	_	2,542,913	1.77
Micro-Cap (9-10)	3,037	-	548,839	3.69
Breakdown of Deciles 1-10				
1 – Largest	24,428,848	_	591,015,721	-0.32%
2	10,170,746	_	24,272,837	0.65
3	5,864,266	_	10,105,622	0.94
4	3,724,624	_	5,844,592	1.05
5	2,552,441	_	3,724,186	1.65
6	1,688,895	_	2,542,913	1.63
7	1,011,278	_	1,686,860	1.77
8	549,056	_	1,010,634	2.18
9	300,752	_	548,839	2.64
10 — Smallest	3,037	_	300,725	5.72

² Return in excess of CAPM estimation. Mid-Cap stocks are defined here as the aggregate of size-deciles 3–5 of the NYSE/AMEX/NASDAQ; Low-Cap stocks are defined here as the aggregate of size-deciles 6–8 of the NYSE/AMEX/NASDAQ; Micro-Cap stocks are defined here as the aggregate of size-deciles 9-10 of the NYSE/AMEX/NASDAQ. The betas used in CAPM estimation were estimated from CRSP NYSE/AMEX/NASDAQ decile portfolio monthly total returns in excess of the 30-day U.S. Treasury bill total return versus the S&P 500 total returns in excess of the 30-day U.S. Treasury bill, January 1926— December 2014. Calculated (or derived) based on data from CRSP US Stock Database and CRSP US Indices Database ©2015 Center for Research in Security Prices (CRSP®), The University of Chicago Booth School of Business. Used with permission.



¹ Expected equity risk premium is based on the difference of historical arithmetic mean returns for 1926-2014. Large-cap stocks are represented by the S&P 500 Index.

Glossary

Bond Default Premium

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

Bond Horizon Premium

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

Equity Risk Premium

Calculated as the geometric difference between large-capitalization 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 five years.

Large Capitalization 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-Capitalization 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 Premium

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

