



Benchmark Review

October 31, 2018

	1 Month	3 Months	YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Std Dev 3 Year	2017	2016	2015	2014	2013	2012	2011
U.S. Equity Market Indexes																
S&P 500	-6.84	-3.25	3.01	7.35	11.52	11.34	13.84	13.24	9.39	21.83	11.96	1.38	13.69	32.39	16.00	2.11
S&P 500 Equal Weighted	-7.20	-5.21	-0.45	4.59	10.00	9.89	13.58	14.98	9.92	18.90	14.80	-2.20	14.49	36.16	17.65	-0.11
DJ Industrial Average	-4.98	-0.64	3.41	9.87	15.25	12.76	14.23	13.33	10.11	28.11	16.50	0.21	10.04	29.65	10.24	8.38
Russell 3000	-7.36	-3.95	2.43	6.60	11.27	10.81	13.65	13.35	9.78	21.13	12.74	0.48	12.56	33.55	16.42	1.03
Russell 1000	-7.08	-3.51	2.67	6.98	11.31	11.05	13.77	13.42	9.56	21.69	12.05	0.92	13.24	33.11	16.42	1.50
Russell 1000 Growth	-8.94	-3.43	6.62	10.71	13.67	13.43	15.78	15.45	11.04	30.21	7.08	5.67	13.05	33.48	15.26	2.64
Russell 1000 Value	-5.18	-3.59	-1.46	3.03	8.88	8.61	11.67	11.30	9.23	13.66	17.34	-3.83	13.45	32.53	17.51	0.39
S&P MidCap 400	-9.55	-7.68	-2.77	1.02	9.85	8.89	12.64	14.13	11.78	16.24	20.74	-2.18	9.77	33.50	17.88	-1.73
S&P MidCap 400 Growth	-10.17	-7.89	-2.23	1.20	9.61	9.18	12.60	14.77	11.49	19.92	14.77	2.02	7.57	32.77	17.27	-0.94
S&P MidCap 400 Value	-8.88	-7.44	-3.38	0.79	9.75	8.34	12.48	13.37	12.58	12.32	26.53	-6.65	12.10	34.25	18.53	-2.43
Russell 2500	-10.15	-7.72	-0.80	2.80	10.05	8.32	12.42	13.55	12.87	16.81	17.59	-2.90	7.07	36.80	17.88	-2.51
Russell 2000	-10.86	-9.26	-0.60	1.85	10.68	8.01	12.28	12.44	14.65	14.65	21.31	-4.41	4.89	38.82	16.35	-4.18
Russell 2000 Growth	-12.65	-9.39	1.11	4.13	10.72	8.75	13.41	13.89	15.44	22.17	11.32	-1.38	5.60	43.30	14.59	-2.91
Russell 2000 Value	-8.95	-9.10	-2.46	-0.59	10.52	7.18	11.09	10.95	14.57	7.84	31.74	-7.47	4.22	34.52	18.05	-5.50
Russell Micro Cap	-10.90	-10.10	-0.54	1.42	10.08	7.62	12.27	12.09	16.01	13.17	20.37	-5.16	3.65	45.62	19.75	-9.27
S&P Preferred Stock	-2.11	-2.39	-0.66	-0.06	3.71	5.72	4.94	10.50	4.25	9.11	1.94	5.47	14.07	-0.17	18.64	-1.16

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U.S. Fixed Income Market Indexes																
BBgBarc U.S. Agg. Bond	-0.79	-0.79	-2.38	-2.05	1.04	1.83	1.34	3.94	2.71	3.54	2.65	0.55	5.97	-2.02	4.21	7.84
BBgBarc U.S. Govt/Credit	-0.87	-0.89	-2.70	-2.31	1.15	1.87	1.31	4.13	3.06	4.00	3.05	0.15	6.01	-2.35	4.82	8.74
BBgBarc Intermediate U.S. Corporate	-0.45	-0.09	-1.25	-1.30	1.98	2.35	2.05	5.99	2.29	3.92	4.04	1.08	4.35	0.08	8.84	5.52
BBgBarc U.S. Govt/Credit Interm.	-0.14	0.05	-0.90	-1.09	0.90	1.36	1.13	3.35	2.01	2.14	2.08	1.07	3.13	-0.86	3.89	5.80
BBgBarc U.S. Credit	-1.40	-1.23	-3.49	-2.81	2.34	2.81	2.07	6.43	3.54	6.18	5.63	-0.77	7.53	-2.01	9.37	8.35
BBgBarc U.S. 3 Year Treasury	0.11	0.23	-0.47	-0.83	0.12	0.47	0.47	1.44	1.42	0.52	0.86	0.87	0.92	-0.05	0.61	3.45
BBgBarc U.S. 5 Year Treasury	0.07	0.09	-1.28	-1.75	-0.32	0.50	0.30	2.54	2.84	0.67	0.48	1.31	2.89	-2.47	2.29	9.36
BBgBarc U.S. 10 Year Treasury	-0.61	-1.00	-4.32	-4.34	-1.09	1.07	0.10	3.32	5.14	2.14	-0.16	0.91	10.74	-7.81	4.13	17.18
BBgBarc U.S. 30 Year Treasury	-3.62	-5.20	-9.93	-7.11	-0.68	3.41	0.72	4.69	10.52	9.14	0.88	-3.17	29.38	-15.03	2.34	35.60
BBgBarc U.S. Corporate High Yield	-1.60	-0.32	0.93	0.97	6.60	4.68	5.37	11.20	4.94	7.50	17.13	-4.47	2.45	7.44	15.81	4.98
BBgBarc Municipal	-0.62	-1.01	-1.01	-0.51	1.90	3.25	2.40	4.80	3.32	5.45	0.25	3.30	9.05	-2.55	6.78	10.70
BBgBarc Municipal 5 Year	-0.19	-0.78	-0.09	-0.77	0.91	1.60	1.46	3.35	2.52	3.14	-0.39	2.43	3.19	0.81	2.96	6.93
BBgBarc U.S. Treasury TIPS	-1.43	-1.77	-2.27	-1.24	1.46	0.97	-0.30	4.11	3.13	3.01	4.68	-1.44	3.64	-8.61	6.98	13.56

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International Equity Market Indexes																
MSCI EAFE Net	-7.96	-8.95	-9.28	-6.85	3.62	2.02	5.80	6.89	11.08	25.03	1.00	-0.81	-4.90	22.78	17.32	-12.14
MSCI Emerging Markets Net	-8.78	-12.10	-17.48	-14.58	4.08	-1.57	-0.67	5.30	14.79	34.35	8.58	-16.96	-4.63	-4.98	15.15	-20.41
MSCI World Net	-7.34	-5.67	-2.31	1.16	7.91	6.81	9.75	10.02	9.49	22.40	7.51	-0.87	4.94	26.68	15.83	-5.54
MSCI World Ex US Net	-7.95	-8.98	-9.33	-6.76	3.80	1.86	5.34	6.77	10.87	24.21	2.75	-3.04	-4.32	21.02	16.41	-12.21
MSCI EAFE Small Cap Net	-9.63	-11.00	-11.61	-7.81	6.58	5.16	9.26	11.56	12.38	33.01	2.18	9.59	-4.95	29.30	20.00	-15.94
MSCI All Country World Index Net	-7.49	-6.36	-3.96	-0.52	7.74	6.15	8.83	9.75	9.76	23.97	7.86	-2.36	4.16	22.80	16.13	-7.35
MSCI All Country World Index Ex USA Net	-8.13	-9.65	-10.97	-8.24	4.37	1.63	4.53	6.92	11.35	27.19	4.50	-5.66	-3.87	15.29	16.83	-13.71
MSCI All Country Americas Net	-6.79	-3.79	1.66	5.72	10.50	9.45	11.68	11.82	9.34	20.96	11.96	-1.78	10.99	27.25	14.44	-1.33
MSCI All Country Asia Net	-9.80	-9.79	-12.47	-9.40	5.84	4.05	6.61	8.13	12.29	33.41	3.93	-0.65	0.54	13.43	15.77	-15.93
MSCI All Country Europe Net	-7.56	-9.79	-9.96	-8.29	2.63	0.93	4.83	6.37	12.03	25.32	0.36	-3.23	-7.22	23.68	19.37	-11.76
MSCI All Country Europe & Middle East Net	-7.45	-9.63	-9.69	-8.00	2.53	0.90	4.78	6.31	11.94	24.83	0.13	-3.22	-7.09	23.58	19.14	-11.95
MSCI Emerging Mkts. Asia Net	-10.96	-13.52	-18.54	-16.36	4.28	1.14	2.15	7.66	14.83	40.07	3.80	-11.77	2.48	-0.22	18.15	-19.12
MSCI Emerging Mkts. Eastern Europe Net	-6.27	-5.39	-6.95	-2.75	7.98	-5.87	-3.73	0.69	17.51	12.85	32.97	-8.13	-40.01	-2.86	13.21	-23.32
MSCI Emerging Mkts. Europe & Middle East Net	-3.60	-4.69	-7.39	-3.35	5.69	-5.77	-3.47	2.55	16.11	15.86	22.19	-15.14	-28.80	-4.48	24.28	-23.65
MSCI Emerging Mkts. Far East Net	-11.43	-12.95	-17.10	-14.83	6.91	3.05	4.31	10.10	15.07	43.53	7.19	-10.30	2.83	2.72	20.22	-14.28
MSCI Emerging Mkts. Latin America Net	3.46	-0.75	-3.69	-2.43	12.72	-2.51	-2.54	4.91	24.52	23.74	31.04	-31.04	-12.30	-13.36	8.66	-19.35
MSCI Frontier Markets Net	-3.53	-8.78	-15.72	-12.07	2.82	1.63	5.29	2.37	12.14	31.86	2.66	-14.46	6.84	25.89	8.85	-18.73

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U.S. Equity Sector Indexes																
S&P 500 Communication Services	-5.75	1.26	-5.04	6.50	5.17	3.69	5.13	9.19	15.29	-1.25	23.49	3.40	2.99	11.47	18.31	6.27
S&P 500 Consumer Discretionary	-11.27	-5.74	7.04	15.16	10.62	12.28	16.51	18.50	12.60	22.98	6.03	10.11	9.68	43.08	23.92	6.13
S&P 500 Consumer Staples	2.31	3.90	-1.11	6.81	6.36	8.36	10.63	11.56	10.03	13.49	5.38	6.60	15.98	26.14	10.76	13.99
S&P 500 Energy	-11.26	-11.97	-4.64	1.77	2.63	-1.88	1.37	4.74	18.07	-1.01	27.36	-21.12	-7.78	25.07	4.61	4.72
S&P 500 Financials	-4.73	-5.56	-4.65	0.63	12.58	11.64	14.79	9.66	14.90	22.18	22.80	-1.53	15.20	35.63	28.82	-17.06
S&P 500 Health Care	-6.69	0.24	8.83	11.28	9.43	12.83	16.18	14.85	12.02	22.08	-2.69	6.89	25.34	41.46	17.89	12.73
S&P 500 Industrials	-10.81	-8.59	-6.50	-1.04	9.99	9.23	13.27	12.81	12.92	21.03	18.86	-2.53	9.83	40.68	15.35	-0.59
S&P 500 Information Technology	-7.97	-1.92	11.02	12.30	20.03	19.31	19.41	18.43	14.17	38.83	13.85	5.92	20.12	28.43	14.82	2.41
S&P 500 Materials	-9.47	-11.76	-11.95	-9.35	7.13	5.76	8.62	10.11	13.96	23.84	16.69	-8.38	6.91	25.60	14.97	-9.75
S&P 500 Utilities	1.95	2.48	4.72	1.00	10.93	10.65	10.46	10.62	12.10	12.11	16.29	-4.85	28.98	13.21	1.29	19.91
DJ US Real Estate	-2.73	-2.98	-0.72	1.74	5.78	7.96	8.03	11.28	11.51	9.84	7.56	2.14	27.24	1.77	18.93	6.05
DJ Global World Real Estate	-4.29	-6.06	-5.78	-2.29	4.43	4.64	5.85	9.93	10.33	16.94	4.79	-0.65	13.44	2.85	30.61	-8.81

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Commodity Indexes																
Bloomberg Commodity	-2.16	-2.05	-4.14	-1.73	-0.69	-7.31	-8.14	-4.18	9.98	1.70	11.77	-24.66	-17.01	-9.52	-1.06	-13.32
Bloomberg Sub Energy	-5.51	3.14	11.15	18.17	-0.38	-13.24	-11.90	-14.02	20.80	-4.31	16.27	-38.87	-39.34	5.20	-9.36	-15.97
Bloomberg Sub Gold	1.78	-0.97	-7.75	-5.05	1.34	-2.28	-6.18	4.70	13.41	12.79	7.75	-10.88	-1.75	-28.65	6.08	9.63
Bloomberg Sub Grains	-0.03	-8.88	-6.24	-8.44	-10.04	-11.26	-13.10	-4.47	16.34	-11.31	-5.88	-19.42	-9.37	-16.90	18.25	-14.41
Bloomberg Sub Industrial Metals	-5.52	-7.68	-16.68	-12.83	6.85	-2.55	-3.51	-0.23	17.66	29.35	19.92	-26.88	-6.87	-13.63	0.67	-24.23
Bloomberg Sub Livestock	-0.69	6.80	-3.05	-9.42	-2.31	-3.12	-2.36	-3.52	18.26	6.36	-5.63	-18.83	11.56	-3.54	-3.54	-2.30
Bloomberg Sub Petroleum	-9.56	-0.60	12.30	22.82	3.27	-12.62	-9.79	-7.97	24.24	9.58	17.20	-39.42	-43.29	5.05	0.53	1.71
Bloomberg Sub Precious Metals	0.77	-2.65	-9.97	-7.47	0.09	-4.02	-8.09	4.50	14.98	10.94	9.50	-11.45	-6.71	-30.80	6.29	4.56
Bloomberg Sub Silver	-2.72	-8.29	-17.08	-15.13	-4.01	-9.30	-13.78	2.78	21.68	5.79	14.01	-12.72	-20.42	-36.64	7.13	-10.15
Bloomberg Sub Softs	11.39	3.35	-14.04	-10.53	-5.10	-8.19	-9.46	-1.64	19.62	-14.80	13.16	-9.85	-10.10	-16.86	-22.39	-13.97

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Volatility & Hedge Fund Indexes																
CBOE Volatility (VIX)	75.17	65.47	92.30	108.55	12.10	9.08	2.23	-9.85	68.35	-21.37	-22.90	-5.16	39.94	-23.86	-22.99	31.83
S&P 500 VIX Short-Term Futures	43.01	22.80	35.80	12.92	-49.50	-45.46	-49.47	-54.26	55.04	-72.11	-67.81	-36.05	-25.50	-65.72	-77.92	-3.72
S&P 500 VIX Mid-Term Futures	21.48	16.51	18.88	9.94	-21.67	-21.39	-25.42	-24.31	25.64	-48.87	-21.04	-14.23	-16.49	-43.77	-52.85	-7.61

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Balanced Indexes																
20% MSCI World - 80% BC US Aggregate Bond	-2.10	-1.74	-2.30	-1.34	2.43	2.88	3.05	5.37	2.94	7.13	3.65	0.38	5.77	3.29	6.61	5.46
40% MSCI World - 60% BC US Aggregate Bond	-3.41	-2.71	-2.26	-0.67	3.81	3.90	4.74	6.70	4.19	10.81	4.63	0.15	5.57	8.82	8.97	2.93
60% MSCI World - 40% BC US Aggregate Bond	-4.72	-3.68	-2.25	-0.02	5.18	4.89	6.42	7.92	5.83	14.58	5.61	-0.14	5.36	14.55	11.29	0.26
80% MSCI World - 20% BC US Aggregate Bond	-6.03	-4.67	-2.26	0.58	6.55	5.86	8.10	9.03	7.63	18.44	6.57	-0.48	5.15	20.50	13.58	-2.57
20% S&P 500 - 80% BC US Aggregate Bond	-2.00	-1.23	-1.24	-0.13	3.12	3.75	3.82	5.97	2.90	7.03	4.50	0.81	7.48	4.27	6.63	7.07
40% S&P 500 - 60% BC US Aggregate Bond	-3.21	-1.69	-0.13	1.77	5.21	5.66	6.30	7.92	4.12	10.61	6.35	1.03	9.02	10.85	9.01	6.12
60% S&P 500 - 40% BC US Aggregate Bond	-4.58	-2.31	0.85	3.65	7.36	7.63	8.95	9.82	5.82	14.52	8.23	1.05	10.60	18.62	11.29	4.40
80% S&P 500 - 20% BC US Aggregate Bond	-5.63	-2.70	1.99	5.51	9.41	9.45	11.31	11.57	7.54	18.00	10.08	1.31	12.12	24.90	13.70	3.64

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