



Benchmark Review

November 30, 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																
DJ Industrial Average	2.11	-1.07	5.59	7.62	15.78	12.39	14.65	14.14	10.12	28.11	16.50	0.21	10.04	29.65	10.24	8.38
NASDAQ Composite Index	0.49	-9.36	7.24	7.75	14.08	13.84	17.37	18.25	12.50	29.64	8.87	6.96	14.75	40.12	17.45	-0.83
Russell 1000	2.04	-4.83	4.76	5.92	11.94	10.89	14.00	14.55	9.58	21.69	12.05	0.92	13.24	33.11	16.42	1.50
Russell 1000 Growth	1.06	-7.46	7.75	8.59	13.97	13.04	15.67	16.54	11.03	30.21	7.08	5.67	13.05	33.48	15.26	2.64
Russell 1000 Value	2.99	-2.15	1.48	2.96	9.82	8.65	12.22	12.46	9.31	13.66	17.34	-3.83	13.45	32.53	17.51	0.39
Russell 2000	1.59	-11.62	0.98	0.57	10.08	7.50	12.47	14.04	14.59	14.65	21.31	-4.41	4.89	38.82	16.35	-4.18
Russell 2000 Growth	1.56	-13.36	2.69	2.81	9.97	8.22	13.56	15.55	15.36	22.17	11.32	-1.38	5.60	43.30	14.59	-2.91
Russell 2000 Value	1.61	-9.78	-0.88	-1.83	10.08	6.71	11.33	12.50	14.53	7.84	31.74	-7.47	4.22	34.52	18.05	-5.50
Russell 2500	1.89	-9.84	1.07	1.41	10.02	8.16	12.49	15.08	12.86	16.81	17.59	-2.90	7.07	36.80	17.88	-2.51
Russell 3000	2.00	-5.35	4.48	5.53	11.80	10.62	13.88	14.51	9.80	21.13	12.74	0.48	12.56	33.55	16.42	1.03
Russell Micro Cap	-0.64	-14.36	-1.17	-1.64	8.48	6.23	12.15	13.65	15.94	13.17	20.37	-5.16	3.65	45.62	19.75	-9.27
S&P 500	2.04	-4.40	5.11	6.27	12.16	11.12	14.11	14.32	9.40	21.83	11.96	1.38	13.69	32.39	16.00	2.11
S&P 500 Equal Weighted	2.76	-4.51	2.31	3.51	10.91	9.99	13.85	16.46	9.97	18.90	14.80	-2.20	14.49	36.16	17.65	-0.11
S&P MidCap 400	3.12	-7.74	0.26	0.48	10.48	9.27	12.81	15.60	11.85	16.24	20.74	-2.18	9.77	33.50	17.88	-1.73
S&P MidCap 400 Growth	3.36	-8.29	1.06	0.92	10.36	9.53	12.74	16.33	11.59	19.92	14.77	2.02	7.57	32.77	17.27	-0.94
S&P MidCap 400 Value	2.89	-7.14	-0.58	-0.00	10.27	8.75	12.68	14.75	12.63	12.32	26.53	-6.65	12.10	34.25	18.53	-2.43
S&P Preferred Stock	-2.19	-5.64	-2.83	-2.85	2.72	5.16	4.53	11.11	4.48	9.11	1.94	5.47	14.07	-0.17	18.64	-1.16

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Fixed Income Market Indexes																
BBgBarc U.S. Agg. Bond	0.60	-0.84	-1.79	-1.34	1.33	2.03	1.42	3.67	2.72	3.54	2.65	0.55	5.97	-2.02	4.21	7.84
BBgBarc U.S. Govt/Credit	0.47	-1.06	-2.24	-1.73	1.42	2.02	1.34	3.72	3.06	4.00	3.05	0.15	6.01	-2.35	4.82	8.74
BBgBarc Intermediate U.S. Corporate	-0.01	-0.70	-1.26	-0.97	2.01	2.32	2.02	5.67	2.29	3.92	4.04	1.08	4.35	0.08	8.84	5.52
BBgBarc U.S. Govt/Credit Interm.	0.45	-0.09	-0.45	-0.34	1.14	1.46	1.16	3.06	2.01	2.14	2.08	1.07	3.13	-0.86	3.89	5.80
BBgBarc U.S. Credit	-0.07	-1.80	-3.56	-2.79	2.39	2.86	2.06	6.01	3.54	6.18	5.63	-0.77	7.53	-2.01	9.37	8.35
BBgBarc U.S. Treasury	0.89	-0.53	-1.27	-0.96	0.63	1.39	0.77	2.20	3.19	2.31	1.04	0.84	5.05	-2.75	1.99	9.81
BBgBarc U.S. 3 Year Treasury	0.50	0.31	0.03	0.04	0.43	0.54	0.52	1.34	1.42	0.52	0.86	0.87	0.92	-0.05	0.61	3.45
BBgBarc U.S. 5 Year Treasury	0.86	0.21	-0.43	-0.49	0.14	0.68	0.34	2.16	2.86	0.67	0.48	1.31	2.89	-2.47	2.29	9.36
BBgBarc U.S. 10 Year Treasury	1.46	-0.65	-2.92	-2.68	-0.44	1.63	0.14	2.57	5.21	2.14	-0.16	0.91	10.74	-7.81	4.13	17.18
BBgBarc U.S. 30 Year Treasury	1.95	-5.02	-8.17	-6.30	0.30	4.42	0.80	3.35	10.56	9.14	0.88	-3.17	29.38	-15.03	2.34	35.60
BBgBarc U.S. Corporate Bond	-0.17	-1.98	-3.92	-3.04	2.49	2.94	2.20	6.46	3.68	6.42	6.11	-0.68	7.46	-1.53	9.82	8.15
BBgBarc U.S. Corporate High Yield	-0.86	-1.90	0.06	0.36	7.09	4.39	5.08	12.19	4.74	7.50	17.13	-4.47	2.45	7.44	15.81	4.98
BBgBarc U.S. Treasury TIPS	0.48	-2.01	-1.80	-0.90	1.66	1.28	-0.30	4.09	3.14	3.01	4.68	-1.44	3.64	-8.61	6.98	13.56
BBgBarc Municipal	1.11	-0.17	0.08	1.13	2.13	3.52	2.31	4.88	3.36	5.45	0.25	3.30	9.05	-2.55	6.78	10.70
BBgBarc Municipal 5 Year	0.80	0.05	0.70	1.17	1.21	1.77	1.53	3.21	2.56	3.14	-0.39	2.43	3.19	0.81	2.96	6.93
BBgBarc Global Agg. Ex US	0.11	-2.33	-4.27	-4.01	2.82	-0.57	-0.97	2.29	7.24	10.51	1.49	-6.02	-3.08	-3.08	4.09	4.36

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International Equity Market Indexes																
MSCI EAFE Net	-0.13	-7.28	-9.39	-7.94	4.12	1.84	5.35	7.47	11.03	25.03	1.00	-0.81	-4.90	22.78	17.32	-12.14
MSCI World Net	1.14	-5.77	-1.20	0.14	8.50	6.67	9.73	10.89	9.46	22.40	7.51	-0.87	4.94	26.68	15.83	-5.54
MSCI World Ex US Net	-0.09	-7.31	-9.41	-7.78	4.32	1.71	4.96	7.36	10.81	24.21	2.75	-3.04	-4.32	21.02	16.41	-12.21
MSCI EAFE Small Cap Net	-0.70	-10.91	-12.23	-9.89	6.31	4.92	8.96	11.98	12.40	33.01	2.18	9.59	-4.95	29.30	20.00	-15.94
MSCI All Country World Index Net	1.46	-5.73	-2.55	-0.98	8.57	6.16	8.86	10.65	9.73	23.97	7.86	-2.36	4.16	22.80	16.13	-7.35
MSCI All Country World Index Ex USA Net	0.95	-6.84	-10.13	-8.12	5.43	1.79	4.36	7.66	11.25	27.19	4.50	-5.66	-3.87	15.29	16.83	-13.71
MSCI All Country Americas Net	1.70	-4.76	3.38	4.71	11.10	9.33	11.92	12.86	9.34	20.96	11.96	-1.78	10.99	27.25	14.44	-1.33
MSCI All Country Asia Net	3.13	-6.51	-9.74	-8.09	7.73	4.52	6.70	8.80	12.27	33.41	3.93	-0.65	0.54	13.43	15.77	-15.93
MSCI All Country Europe Net	-0.81	-7.80	-10.70	-9.23	3.01	0.57	4.26	7.08	11.98	25.32	0.36	-3.23	-7.22	23.68	19.37	-11.76
MSCI All Country Europe & Middle East Net	-0.77	-7.68	-10.39	-8.85	2.94	0.54	4.21	7.03	11.88	24.83	0.13	-3.22	-7.09	23.58	19.14	-11.95
MSCI Emerging Markets Net	4.12	-5.45	-12.24	-9.09	9.41	1.90	2.19	9.13	14.78	37.28	11.19	-14.92	-2.19	-2.60	18.22	-18.42
MSCI Emerging Mkts. Asia Net	5.16	-7.91	-12.69	-10.26	9.53	4.34	4.76	11.34	14.95	42.83	6.14	-9.79	4.89	1.98	20.83	-17.44
MSCI Emerging Mkts. Eastern Europe Net	1.36	1.46	-1.95	1.15	13.65	-1.18	0.14	6.01	17.50	17.21	37.79	-4.69	-37.59	0.72	17.84	-21.58
MSCI Emerging Mkts. Europe & Middle East Net	1.62	2.95	-5.89	-0.79	8.27	-4.76	-3.29	4.23	15.72	15.86	22.19	-15.14	-28.80	-4.48	24.28	-23.65
MSCI Emerging Mkts. Far East Net	4.46	-8.08	-13.40	-11.22	9.61	3.84	4.63	11.34	15.06	43.53	7.19	-10.30	2.83	2.72	20.22	-14.28
MSCI Emerging Mkts. Latin America Net	-2.19	5.94	-5.80	-1.62	13.50	-2.06	-2.63	5.38	24.39	23.74	31.04	-31.04	-12.30	-13.36	8.66	-19.35
MSCI Frontier Markets Net	2.17	-1.50	-13.89	-11.20	5.14	1.71	5.37	3.96	11.85	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	-0.65	-2.37	-5.66	-0.21	5.39	4.09	5.17	8.43	15.27	-1.25	23.49	3.40	2.99	11.47	18.31	6.27
S&P 500 Consumer Discretionary	2.81	-7.83	10.04	12.70	11.74	12.14	16.43	20.03	12.63	22.98	6.03	10.11	9.68	43.08	23.92	6.13
S&P 500 Consumer Staples	1.94	5.37	0.81	3.04	7.44	8.44	10.69	11.99	10.01	13.49	5.38	6.60	15.98	26.14	10.76	13.99
S&P 500 Energy	-1.65	-10.47	-6.21	-1.63	2.15	-2.37	1.32	4.49	18.11	-1.01	27.36	-21.12	-7.78	25.07	4.61	4.72
S&P 500 Financials	2.80	-4.24	-1.98	-0.06	12.91	11.26	15.47	12.22	14.92	22.18	22.80	-1.53	15.20	35.63	28.82	-17.06
S&P 500 Health Care	7.05	2.82	16.50	15.75	12.10	13.33	17.40	16.45	12.52	22.08	-2.69	6.89	25.34	41.46	17.89	12.73
S&P 500 Industrials	3.84	-5.36	-2.90	-1.06	11.03	9.29	13.67	14.09	13.04	21.03	18.86	-2.53	9.83	40.68	15.35	-0.59
S&P 500 Information Technology	-1.88	-10.00	8.93	8.94	18.93	17.93	18.81	19.62	14.31	38.83	13.85	5.92	20.12	28.43	14.82	2.41
S&P 500 Materials	4.05	-7.77	-8.38	-6.61	8.26	6.33	9.03	11.82	14.10	23.84	16.69	-8.38	6.91	25.60	14.97	-9.75
S&P 500 Utilities	3.58	4.98	8.47	1.81	13.05	11.86	11.92	10.67	12.06	12.11	16.29	-4.85	28.98	13.21	1.29	19.91
DJ US Real Estate	4.71	-0.77	3.95	3.86	7.49	10.02	8.97	14.72	11.75	9.84	7.56	2.14	27.24	1.77	18.93	6.05
DJ Global World Real Estate	4.28	-2.59	-1.75	-0.22	6.58	6.26	6.36	11.95	10.47	16.94	4.79	-0.65	13.44	2.85	30.61	-8.81

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Commodity Indexes																
Bloomberg Commodity	-0.56	-0.84	-4.68	-1.83	1.64	-7.26	-8.24	-3.54	9.02	1.70	11.77	-24.66	-17.01	-9.52	-1.06	-13.32
Bloomberg Sub Energy	-3.34	-3.92	7.44	11.63	2.27	-14.22	-12.23	-12.92	19.91	-4.31	16.27	-38.87	-39.34	5.20	-9.36	-15.97
Bloomberg Sub Gold	0.60	1.67	-7.19	-4.72	3.93	-1.03	-6.01	3.42	12.77	12.79	7.75	-10.88	-1.75	-28.65	6.08	9.63
Bloomberg Sub Grains	2.05	-1.01	-4.31	-6.21	-8.01	-10.93	-12.29	-3.59	16.26	-11.31	-5.88	-19.42	-9.37	-16.90	18.25	-14.41
Bloomberg Sub Industrial Metals	1.86	-1.69	-15.14	-7.36	10.82	-1.22	-4.29	1.07	16.77	29.35	19.92	-26.88	-6.87	-13.63	0.67	-24.23
Bloomberg Sub Livestock	2.30	9.62	-0.82	-1.52	1.18	-2.44	-2.23	-3.18	17.70	6.36	-5.63	-18.83	11.56	-3.54	-3.54	-2.30
Bloomberg Sub Petroleum	-20.71	-23.92	-10.96	-5.47	-0.71	-16.46	-13.59	-8.05	26.40	9.58	17.20	-39.42	-43.29	5.05	0.53	1.71
Bloomberg Sub Precious Metals	0.23	0.72	-9.76	-7.01	2.82	-2.70	-8.09	3.37	14.28	10.94	9.50	-11.45	-6.71	-30.80	6.29	4.56
Bloomberg Sub Silver	-1.11	-2.62	-18.00	-14.57	-1.03	-7.86	-14.33	2.19	20.93	5.79	14.01	-12.72	-20.42	-36.64	7.13	-10.15
Bloomberg Sub Softs	-3.51	5.33	-17.06	-15.75	-6.36	-8.39	-9.85	-1.95	19.70	-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)	-14.88	40.51	63.68	60.20	3.86	5.69	2.19	-10.58	69.03	-21.37	-22.90	-5.16	39.94	-23.86	-22.99	31.83
S&P 500 VIX Short-Term Futures	-10.36	18.63	21.73	6.53	-51.15	-45.31	-48.30	-55.46	55.10	-72.11	-67.81	-36.05	-25.50	-65.72	-77.92	-3.72
S&P 500 VIX Mid-Term Futures	-5.00	12.16	12.94	2.64	-22.93	-21.34	-24.66	-25.75	25.69	-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	0.70	-1.81	-1.62	-0.99	2.77	3.01	3.10	5.28	2.94	7.13	3.65	0.38	5.77	3.29	6.61	5.46
40% MSCI World - 60% BC US Aggregate Bond	0.80	-2.78	-1.48	-0.66	4.21	3.96	4.78	6.81	4.18	10.81	4.63	0.15	5.57	8.82	8.97	2.93
60% MSCI World - 40% BC US Aggregate Bond	0.91	-3.77	-1.36	-0.37	5.65	4.89	6.44	8.25	5.82	14.58	5.61	-0.14	5.36	14.55	11.29	0.26
80% MSCI World - 20% BC US Aggregate Bond	1.02	-4.76	-1.27	-0.10	7.08	5.79	8.09	9.62	7.61	18.44	6.57	-0.48	5.15	20.50	13.58	-2.57
20% S&P 500 - 80% BC US Aggregate Bond	0.87	-1.53	-0.38	0.22	3.47	3.86	3.92	5.91	2.91	7.03	4.50	0.81	7.48	4.27	6.63	7.07
40% S&P 500 - 60% BC US Aggregate Bond	1.15	-2.23	1.02	1.76	5.62	5.68	6.45	8.11	4.13	10.61	6.35	1.03	9.02	10.85	9.01	6.12
60% S&P 500 - 40% BC US Aggregate Bond	1.48	-3.06	2.35	3.24	7.86	7.55	9.14	10.21	5.83	14.52	8.23	1.05	10.60	18.62	11.29	4.40
80% S&P 500 - 20% BC US Aggregate Bond	1.73	-3.66	3.76	4.79	9.97	9.31	11.54	12.31	7.55	18.00	10.08	1.31	12.12	24.90	13.70	3.64

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