

Retrieve annual returns on 10 investments to visualize asset class fluctuations over time.

- 1. Be sure to install the latest version of Excel API (1.01.023), enable all macros, and open the attached file.
- 2. Log in with your Morningstar Direct credentials. “Ctrl + Alt + F9” will refresh the spreadsheet.
- 3. Enter your investments in the “Inputs” worksheet by entering a SecID, Ticker, or CUSIP into the cells in column B.
- 4. Once these investments have been entered, go back to the “Winners & Losers” worksheet.
- 5. Now press “Ctrl + Shift + R” to run a macro to sort the spreadsheet according to the investments entered.

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Best	32.07	55.82	31.22	34.00	35.50	39.42	5.24	78.51	26.93	9.20
	14.24	38.59	25.55	25.55	32.14	32.67	1.51	37.21	18.88	7.84
	10.26	36.99	20.25	13.54	26.31	11.81	9.70	31.78	16.71	6.05
	1.84	40.04	17.28	11.80	22.25	11.17	-48.85	10.81	15.51	2.64
	1.08	29.75	16.49	9.64	15.79	6.97	-37.00	26.45	15.06	2.11
	-6.37	28.83	11.77	7.05	10.49	6.45	-38.44	25.95	11.83	0.39
	-15.52	28.68	10.88	5.26	9.07	5.49	-80.07	19.59	9.03	0.06
	-35.94	20.72	6.30	4.91	5.06	4.77	-83.38	13.48	7.75	-1.18
	-22.10	4.10	4.14	3.34	4.33	-0.17	-46.49	5.93	6.54	-12.14
Worst	-27.88	1.05	1.43	2.43	-15.09	-18.15	-53.33	0.16	0.14	-18.42

S&P 500 TR

Russell 1000 Growth TR USD

Russell 1000 Value TR USD

MSCI EAFE NR USD

MSCI EM NR USD

Barclays US Agg Bond TR USD

JPM EMBI Plus TR USD

S&P GSCI TR

DJ US Real Estate TR USD

USTREAS-T-Bill Auction Ave 3 Mon

Correlation Matrix

Start Date: 5/31/2009
End Date: 5/31/2012

	Fidelity New Markets Income	PIMCO Emerging Markets Bond A	BlackRock World Income Inv A	Dodge & Cox Income	Calamos Market Neutral Income A	Artisan Small Cap Value Investor	T. Rowe Price Small-Cap Stock	Permanent Portfolio	Sequoia	Twoedy, Browne Global Value	Yacktman	Wasatch Small Cap Growth	Wells Fargo Advantage Growth A	Loomis Sayles Bond Admin	Oppenheimer Developing Markets A	Vanguard Emerging Mkts Stock Idx Adm	Goldman Sachs Commodity Strategy A	Harbor Commodity Real Return ST Adm	PIMCO Commodity Real Ret Strat A	Natixis ASG Global Alternatives A	
FNMIK	Fidelity New Markets Income	1.000																			
PAEMX	PIMCO Emerging Markets Bond A	0.939	1.000																		
MDWIX	BlackRock World Income Inv A	0.659	0.690	1.000																	
DODIX	Dodge & Cox Income	0.695	0.939	0.815	1.000																
CVSIK	Calamos Market Neutral Income A	0.669	0.670	0.277	0.507	1.000															
ARTVX	Artisan Small Cap Value Investor	0.549	0.575	0.089	0.366	0.903	1.000														
OTCFX	T. Rowe Price Small-Cap Stock	0.531	0.547	0.078	0.343	0.892	0.976	1.000													
PRPEX	Permanent Portfolio	0.597	0.706	0.354	0.463	0.750	0.735	0.726	1.000												
SEQUX	Sequoia	0.582	0.601	0.133	0.383	0.873	0.920	0.898	0.712	1.000											
TBGVX	Twoedy, Browne Global Value	0.678	0.669	0.281	0.504	0.885	0.845	0.845	0.656	0.829	1.000										
YACKX	Yacktman	0.618	0.628	0.293	0.445	0.923	0.896	0.878	0.712	0.855	0.888	1.000									
WAAEX	Wasatch Small Cap Growth	0.539	0.545	0.053	0.323	0.885	0.930	0.966	0.683	0.857	0.834	0.832	1.000								
SGRAX	Wells Fargo Advantage Growth A	0.540	0.551	0.068	0.325	0.915	0.930	0.943	0.740	0.892	0.845	0.860	0.957	1.000							
LBFAF	Loomis Sayles Bond Admin	0.821	0.820	0.571	0.808	0.870	0.777	0.762	0.741	0.768	0.848	0.815	0.738	0.762	1.000						
ODMAX	Oppenheimer Developing Markets A	0.736	0.776	0.311	0.516	0.884	0.863	0.866	0.820	0.813	0.872	0.822	0.892	0.877	0.855	1.000					
VEMAX	Vanguard Emerging Mkts Stock Idx Adm	0.739	0.785	0.325	0.540	0.884	0.867	0.864	0.833	0.824	0.865	0.810	0.879	0.865	0.863	0.988	1.000				
GSCAX	Goldman Sachs Commodity Strategy A	0.496	0.518	0.093	0.240	0.793	0.728	0.701	0.723	0.768	0.701	0.688	0.710	0.774	0.660	0.746	0.758	1.000			
HCMRX	Harbor Commodity Real Return ST Adm	0.574	0.651	0.265	0.379	0.768	0.700	0.667	0.853	0.692	0.683	0.687	0.664	0.698	0.728	0.806	0.813	0.899	1.000		
PCRAR	PIMCO Commodity Real Ret Strat A	0.586	0.661	0.275	0.394	0.775	0.708	0.672	0.857	0.695	0.689	0.696	0.668	0.703	0.739	0.812	0.819	0.895	0.999	1.000	
GAFAX	Natixis ASG Global Alternatives A	0.585	0.602	0.394	0.548	0.843	0.716	0.711	0.745	0.743	0.793	0.712	0.702	0.764	0.817	0.812	0.823	0.779	0.766	0.767	1.000

Retrieve a matrix of returns to illustrate multiple holding periods of any investment. Just enter a ticker, SecID, or CUSIP in cell A2.

S&P 500 TR

KUSM04G32

From the beginning of...

	1/1/1994	1/1/1995	1/1/1996	1/1/1997	1/1/1998	1/1/1999	1/1/2000	1/1/2001	1/1/2002	1/1/2003	1/1/2004	1/1/2005	1/1/2006	1/1/2007	1/1/2008	1/1/2009	1/1/2010	1/1/2011
12/31/2011	7.70	6.09	6.47	5.45	3.70	2.00	0.95	1.48	2.32	9.16	3.63	2.64	2.26	-0.25	-1.64	9.12	8.40	2.18
12/31/2010	8.04	6.47	6.75	5.85	3.82	1.99	0.41	1.41	3.01	6.67	3.85	2.72	2.29	-0.83	-2.85	20.64	15.06	
12/31/2009	7.61	6.04	6.15	5.00	2.93	0.87	-0.95	0.00	1.60	5.52	2.05	0.42	-0.67	-5.63	-10.75	26.46		
12/31/2008	6.46	6.04	4.75	3.39	1.02	-1.38	-3.60	-2.88	-1.53	2.39	-2.15	-5.21	-8.36	-18.45	-37.01			
To the end of...	12/31/2007	10.53	11.27	9.31	8.15	5.91	3.65	1.68	3.30	6.08	12.83	9.15	8.63	10.53	5.45			
12/31/2006	10.32	11.78	9.67	8.42	5.96	3.42	1.15	2.94	6.19	14.74	10.44	10.23	15.78					
12/31/2005	10.52	11.40	9.07	7.63	4.79	1.77	-1.15	0.54	3.52	14.39	7.85	4.91						
12/31/2004	11.05	12.07	9.55	7.96	4.77	1.25	-2.30	-0.52	3.59	18.44	10.85							
12/31/2003	11.07	12.21	9.38	7.57	3.78	-0.57	-5.34	-4.05	0.12	28.88								
12/31/2002	9.28	10.30	6.87	4.40	-0.59	-6.78	-14.55	-17.16	-22.10									
12/31/2001	13.38	15.32	12.65	10.70	5.66	-1.03	-10.50	-11.88										
12/31/2000	16.25	21.33	18.32	17.20	12.25	4.89	-9.09											
12/31/1999	23.56	28.56	26.35	27.91	24.77	21.04												
12/31/1998	24.07	30.51	28.22	30.97	28.98													
12/31/1997	22.36	31.15	28.03	33.38														
12/31/1996	15.67	30.04	22.95															
12/31/1995	15.08	13.58																
12/31/1994	1.32																	

Retrieve historical monthly returns to visualize seasonal market trends. Just enter a ticker, SecID, or CUSIP in cell A1. Quickly identify best and worst months dating back over 20 years.

	January	February	March	April	May	June	July	August	September	October	November	December
2012	4.48	4.92	3.29	-0.63	-6.01							
2011	2.37	3.43	0.04	2.96	-1.13	-1.67	-2.03	-5.43	-7.03	10.93	-0.22	1.02
2010	-3.60	3.10	6.03	1.58	-7.99	-5.23	7.01	-4.51	8.92	3.80	0.01	6.68
2009	-8.43	-10.65	8.76	9.57	5.59	0.20	7.56	3.61	3.73	-1.86	6.00	1.93
2008	-5.00	-3.25	0.43	4.87	1.30	-8.43	0.84	1.45	-8.91	16.79	-7.18	1.06
2007	1.51	-1.98	1.12	4.45	3.49	-1.66	-3.10	1.50	3.74	1.59	-4.18	-0.69
2006	2.65	0.27	1.24	1.34	-2.88	0.14	0.62	2.38	2.58	3.26	1.90	1.40
2005	-2.44	2.10	-1.77	-1.90	3.18	0.14	3.72	-0.91	0.81	-1.67	3.78	0.03
2004	1.84	1.99	-1.51	-1.57	1.37	1.94	-3.31	0.40	1.08	1.53	4.05	3.40
2003	-2.62	-1.50	0.97	8.24	5.27	1.28	1.76	1.95	-1.06	5.66	0.88	5.24
2002	-1.46	-1.93	3.76	-6.06	-0.74	-7.12	-7.80	0.66	-10.87	8.80	5.89	-5.87
2001	3.55	-6.12	-6.34	7.77	0.67	-2.43	-0.98	-6.26	-8.08	1.91	7.67	0.88
2000	-5.02	-1.89	9.78	-3.01	-1.05	2.47	-1.56	6.21	-5.28	-0.42	-7.88	0.49
1999	4.18	-3.11	4.00	3.87	-3.36	5.55	-3.12	-0.49	-2.74	6.33	2.03	5.89
1998	1.11	7.21	5.12	1.01	-1.72	4.06	-1.06	-14.46	6.41	8.13	6.06	5.76
1997	6.25	0.78	-4.11	5.97	6.09	4.48	7.96	-5.60	5.48	-3.34	4.63	1.72
1996	3.40	0.93	0.96	1.47	2.58	0.38	-4.42	2.11	5.63	2.76	7.55	-1.98
1995	2.59	3.90	2.95	2.94	4.00	2.32	3.32	0.25	4.22	-0.36	4.39	1.93
1994	3.40	-2.71	-4.36	1.28	1.64	-2.45	3.18	-4.10	-2.45	2.25	-3.64	1.48
1993	0.84	1.36	2.11	-2.42	2.67	0.29	-0.40	3.79	-0.77	2.07	-0.95	1.21
1992	-1.86	1.30	-1.94	2.94	0.49	-1.49	4.09	-2.05	1.18	0.35	3.41	1.23
1991	4.36	7.15	2.42	0.24	4.31	-4.58	4.66	2.37	-1.67	1.34	-4.03	17.44
1990	-6.71	1.29	2.65	-2.49	9.75	-0.67	0.32	-9.04	-8.87	-0.43	6.46	2.79
1989	7.32	-2.49	2.33	3.19	4.05	-0.57	9.03	1.95	-0.41	-2.32	2.04	2.40
1988	-1.86	1.30	-1.94	2.94	0.49	-1.49	4.09	-2.05	1.18	0.35	3.41	1.23
1987	13.07	3.95	2.89	-0.89	0.87	5.05	5.07	3.73	-2.19	-28.54	-8.24	7.61
1986	0.55	7.47	5.58	-1.13	5.31	1.49	-5.59	7.42	-8.27	5.77	2.43	-2.55
1985	7.79	1.22	0.07	-0.09	5.78	1.57	-0.15	-0.85	-3.13	4.62	6.86	4.84
1984	-0.56	-3.52	1.73	0.95	-3.54	2.17	-1.24	11.04	0.02	0.39	-1.12	2.63
1983	3.72	2.29	3.69	7.88	-0.87	3.89	-2.95	1.50	1.38	-1.16	2.11	-0.52
1982	-1.31	-5.59	-0.52	4.52	-3.41	-1.50	-1.78	12.14	1.25	11.51	4.04	1.93
1981	-4.18	1.74	4.00	-1.93	0.26	-0.63	0.21	-5.77	-4.93	5.40	4.13	-2.56
1980	6.22	-0.01	-9.72	4.62	5.13	3.16	5.96	1.01	2.94	2.02	10.65	-5.02
Average	0.97	0.14	1.24	1.08	1.43	0.03	0.90	0.38	-0.68	1.28	1.97	1.84