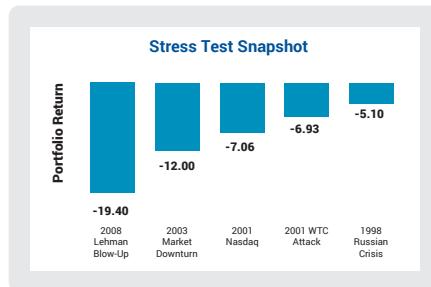


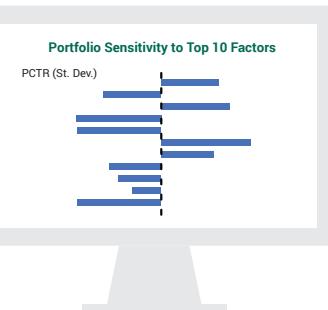
Affordable Stress-Testing and Systematic Risk Analysis With RiskPlus

Understanding downside risk is a critical part of due diligence. Even in low-volatility, growth environments, investors still want to know how their portfolios would perform under a variety of conditions, from historical events to long-tail scenarios. RiskPlus uses the performance data already in eVestment, or you can aggregate data from your managers.

Stress-test your portfolio with a robust library of factor models and customize your own



Analyze market and factor sensitivity



Identify strategies that are risk contributors and diversifiers

By Marginal Contribution to ETL			
Top Risk Diversifiers			
Fund 18	4.55%	0.35	-1.13
Fund 7	5.02%	.73	.94
Fund 3	3.94%	1.63	0.74
Top Risk Contributors			
Fund 2	4.32%	11.65	7.93

Use RiskPlus To

Stress test your portfolio

Use out-of-the-box market stresses, or create your own to conduct simulations and see how your portfolio would perform under various conditions – whether actual historical events or hypothetical scenarios.

Monitor key risk-return metrics

Get immediate line-of-sight into essential metrics, from Skewness, Kurtosis and Sharpe Ratio to Stable Tail-Adjusted Return, R-Ratio and Volatility.

Identify portfolio sensitivity to top factors

Choose the factors that are most important to you and get a dashboard view of how sensitive your portfolio is to each.

Analyze risk composition

Identify strategies that are diversifying your portfolio risk and that are contributing to it.

Generate automated reports

Inform your board or other stakeholders about your systematic approach to risk assessment.

Risk Plus Capabilities

eVestment RiskPlus is a returns-based risk analytics solution, providing a comprehensive breakdown of your portfolio's risk and return components. RiskPlus allows investors to use custom factor models, risk budgeting and user-defined stress tests to analyze risk and report results to their stakeholders.

Stress Testing

Choose from 11 pre-defined stress tests or customize your own to assess the impact to your portfolio against historically documented financial crises and fluctuations in the market. View the 10 worst performing managers per historical scenario based on percentage loss of initial strategy value.



Custom Factor Models

Choose from over 170 factors to create custom factor models for multi-dimensional insight into the sources of risk in your portfolio.

Factor Models

Available
ABS Master Fixed Rate USD
Australian Dollar
Brazilian Real
Canadian Dollar
CBOE S&P 500 Volatility Index
CBOE Volatility Index as Difference USD
CMBS Fixed Rate USD
CMBS Fixed Rate AAA Rated USD
CMBS Fixed Rate BBB Rated USD
EMU Broad Mkt AAA Rated USD
EMU Broad Mkt BBB Rated USD
EMU Corporate Index USD
EMU Corporate Large Cap Index USD
EMU Corporates 10+ Yr USD
EMU Corporates 1-3 Yr USD
Equity Risk Premium USD
European Currency High Yield EUR

Selected
Asian Convertibles
British Pound Sterling
Crossover EM Sovereign & Credit USD
Euro
European Convertibles
Global EM Credit Eur/ME/Afr USD
Global EM Credit Latin America USD
Global High Yield USD
Hong Kong Dollar
Japanese Yen
LIBOR 12Month Constant Maturity Rate EUR
LIBOR 12Month Constant Maturity Rate USD
LIBOR Overnight Rate EUR
LIBOR Overnight Rate USD
Mortgage Master USD
MSCI EAFE USD
MSCI Small Minus Large US USD

Portfolio Risk Analysis

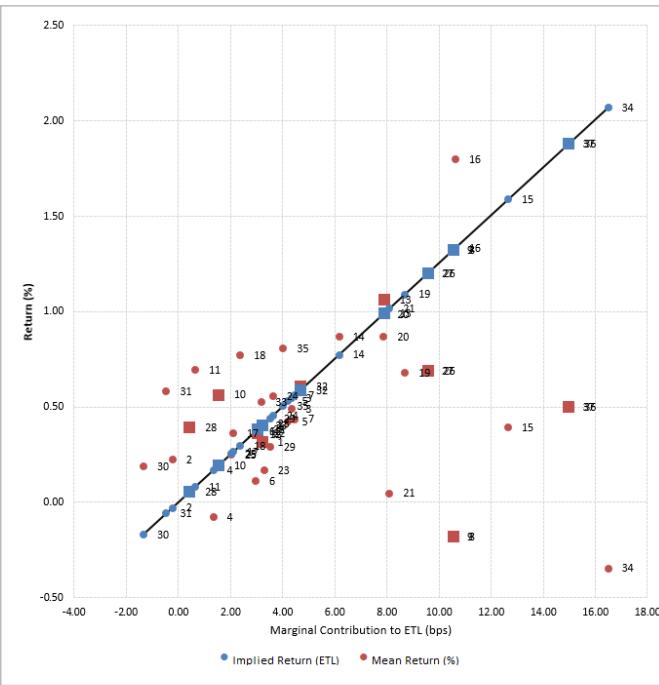
Gain a comprehensive and summarized view of your portfolio risk, including its VaR, Expected Tail Loss and Expected Tail Return statistics, risk versus return and downside versus upside potential.

SIMULATED PORTFOLIO RISK STATISTICS							
TRADITIONAL				TAIL MEASURES			
StDev	Ann. StDev	Mean	Ann. Mean	ETL 95	VaR 95	VaR 5	ETR 95
2.52	8.73	0.69	8.30	5.51	-3.55	4.43	5.64
TOP 10 FACTORS BY SYSTEMATIC RISK (STDEV)							
Factor PC to StDev				Factor PC to ETL			
TOTAL SYSTEMATIC RISK	87.07			ETL	MC to ETL		
Asian Convertibles	36.98	2.34		Asian Convertibles	39.49	5.47	
MSCI EAFE USD	34.02	4.51		MSCI EAFE USD	37.35	10.84	
European Convertibles	11.52	3.56		European Convertibles	12.66	8.57	
Russell 3000	6.25	3.48		Russell 3000	6.90	8.41	
Global EM Credit	3.88	2.31		S&P GSCI Index	3.88	13.21	
MSCI Value Minus Growth	3.87	-0.44		Global EM Credit	3.82	4.97	
S&P GSCI Index	2.99	4.65		MSCI Value Minus Growth	3.06	-0.76	
Global High Yield USD	2.19	2.33		S&P GSCI Crude Oil USD	2.79	17.24	
S&P GSCI Crude Oil USD	2.12	5.99		Mortgage Master USD	2.36	-0.53	
20-Year Treasury Constant	0.72	2.33		Global High Yield USD	2.18	5.07	
SPECIFIC RISK	12.93			SPECIFIC RISK	4.92		

Risk Plus Capabilities

Monthly Portfolio Risk Budgeting

Identify the biggest contributors of portfolio risk and risk diversifiers by comparing returns that strategies should be earning based on their risk profile versus actual returns to maximize portfolio performance.



Stress Factor Values

View the factor analysis table to tie factor exposure to the effect on the portfolio during the stress period and identify any factors that had significant returns.

STRESSED RETURN VALUE FRACTION													
Factor Name	First Date	Last Date	2008 Lehman	2009 Market	2003 Nedsh	2005 WTC	1996 Russian	2003 January	1997 - 1998	1987 Black	2005 Katrina	2007 August	2011 Keweenaw
20-Year Treasury Constant Maturity Rate	10/01/1950	12/09/2010	-10.54	1.37	2.74	-6.84	0.00	24.47	7.13	7.40	0.00	0.00	2.64
3-Year Treasury Constant Maturity Rate	01/01/1960	12/09/2010	-22.48	1.42	2.74	-10.44	0.00	49.87	7.13	8.69	0.00	0.00	2.64
Asian Convertibles	12/31/1998	12/31/2010	-4.70	1.34	-0.71	-2.45	-1.20	-0.43	-0.39	0.64	0.00	0.00	0.64
British Government Bonds	12/31/1998	12/31/2010	-4.29	1.34	-0.71	-2.45	-0.55	-0.44	-0.33	0.71	0.00	0.00	0.71
CBOT Volatility Index as Difference USD	01/02/1990	12/31/2010	27.67	10.46	19.41	32.38	11.44	117.49	4.59	21.80	0.00	0.00	0.00
Crossover EM Sovereign & Credit USD	12/31/1998	12/31/2010	-2.00	1.34	-2.00	-2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
European Corporates	12/31/1998	12/31/2010	-6.66	2.71	-0.83	-2.45	0.02	0.85	4.13	-0.42	0.00	0.00	0.00
Global EM Credit Latin America USD	12/31/1998	12/31/2010	-16.44	5.76	-1.74	-2.64	-1.39	-0.96	-0.82	2.89	0.00	0.00	0.00
Global EM Credit Latin America USD	12/31/1998	12/31/2010	-5.49	2.71	-0.83	-2.45	-0.44	-1.53	-1.53	0.00	0.00	0.00	0.00
Global EM Credit Latin America USD	12/31/1998	12/31/2010	-14.30	1.37	-1.86	-2.64	-1.95	-2.48	-2.49	0.00	0.00	0.00	0.00
Japan Yen	12/31/1998	12/31/2010	-12.51	1.34	-0.71	-2.45	-1.20	-2.48	-2.77	2.09	0.00	0.00	0.00
Long/Short Constant Maturity Rate EUR	12/31/1998	12/31/2010	-1.67	4.59	-2.02	1.10	-0.09	-3.60	-4.89	-1.54	0.00	0.00	0.00
LIBOR 12 Month Constant Maturity Rate EUR	12/31/1998	12/31/2010	-1.67	4.59	-2.02	1.10	0.28	0.28	0.49	0.49	0.00	0.00	0.00
LIBOR 12 Month Constant Maturity Rate EUR	12/31/1998	12/31/2010	-13.84	-7.38	-21.09	-2.43	1.04	0.09	0.18	7.35	0.00	0.00	0.00
LIBOR Overnight Rate EUR	12/31/1998	12/31/2010	0.00	0.56	-1.24	0.80	0.13	0.00	0.00	0.00	0.00	0.00	0.00
LIBOR Overnight Rate EUR	12/31/1998	12/31/2010	0.00	0.56	-1.24	0.80	0.13	0.00	0.00	0.00	0.00	0.00	0.00
ML Global Bond USD	12/31/1985	12/31/2010	-2.12	1.34	-2.19	1.03	-0.13	-11.00	-4.49	0.72	0.00	0.00	0.00
ML Global Bond USD	12/31/1985	12/31/2010	-27.23	1.34	-2.19	1.03	-0.13	-11.00	-4.49	0.72	0.00	0.00	0.00
MSI Small Minus Large USD	05/29/1992	12/31/2010	-5.50	-0.48	-6.65	-9.34	1.39	-8.14	-3.00	-4.67	0.00	0.00	0.00
MSI Value Minus Growth USD	05/29/1992	12/31/2010	-5.50	-0.48	-6.65	-9.34	1.39	-8.14	-3.00	-4.67	0.00	0.00	0.00
Russell 3000	12/31/1975	12/31/2010	4.79	5.71	1.11	-0.55	0.35	2.92	-0.79	-0.69	0.00	0.00	0.00
Small Minus Large USD	05/29/1992	12/31/2010	-29.54	-13.11	-13.33	-20.33	-10.02	-50.49	-5.41	-17.20	0.00	0.00	0.00
S&P GSCI Index	12/31/1969	12/31/2010	7.77	4.31	-5.01	-10.07	4.10	0.36	0.51	53.36	0.00	0.00	0.00

Returns & Correlation

Choose Classical or EWMA methods of calculating mean returns and correlations to accurately capture the dependency relationships between the returns of your strategies.

Risk Plus Capabilities

Factor Analysis

Use the factor analysis data table and correlation matrix to explain the variance of each strategy in your portfolio.

BETA	P-VALUE	RiskPlus HFs Portfolio MD	Fund I	Fund II	Fund III	Fund IV	Fund V
R ²	88.18%	34.27%	27.05%	84.25%	48.44%	85.51%	
Residual Standard Error		0.05	0.05	0.01	0.01	0.01	
Intercept	0.004			0.004 0.000	0.006 0.000	0.004 0.008	
20-Year Treasury Constant Maturity Rate	0.008					-0.140 0.000	
3-Year Treasury Constant Maturity Rate	0.000					-0.020 0.069	
Asian Convertibles	0.398	0.991 0.000		0.118 0.027	0.263 0.000		
British Pound Sterling	0.014		0.663 0.004	-0.117 0.003			
CBOE Volatility Index as Difference USD	0.029				0.060 0.035		
Crossover EM Sovereign & Credit USD	-0.068		-1.245 0.000				0.525 0.000
Euro	0.098		0.419 0.123	0.236 0.001			0.197 0.001
European Convertibles	0.081			0.217 0.000			
Global EM Credit Eur/ME/Afr USD	0.042				0.063 0.076		
Global EM Credit Latin America USD	-0.014				0.143 0.005		
Global High Yield USD	0.024				-0.147 0.004		
Japanese Yen	0.007				0.018 0.001		
LIBOR 12Month Constant Maturity Rate EUR	0.001				-0.032 0.011	-0.026 0.077	
LIBOR 12Month Constant Maturity Rate USD	-0.006				0.007 0.086	0.011 0.050	
LIBOR Overnight Rate EUR	0.000						
LIBOR Overnight Rate USD	-0.003		-0.018 0.100		0.005 0.047		
ML Global Govt Bond II USD	0.018			1.162 0.002	-0.463 0.000	-0.287 0.000	
MSCI EAFE USD	0.190			0.987 0.000			
MSCI Small Minus Large US USD	-0.050						
MSCI Value Minus Growth US USD	-0.221			-0.826 0.003			-0.304 0.000
Mortgage Master USD	-0.247						0.548 0.078
Russell 3000	0.045			-0.512 0.036			0.135 0.004

Factor Contribution and Exposure

Gain insight into the breakdown of risk by its systematic and specific components and view strategy exposure to each factor in the model used for the stress test. See the sensitivity of each strategy, and the total portfolio, to the factors in the model to explain strategy behavior under each scenario.

	Factor PC to StDev (%) •	Factor PC to ETL (%) •
SYSTEMATIC RISK	87.07	95.08
SPECIFIC RISK	12.93	4.92
Equity Risk	42.83	46.27
Fixed Income Risk	49.84	54.81
Commodity Risk	5.11	6.66
Interest Rate Risk	0.54	0.40
Volatility Risk	-3.66	-4.12
FX Risk	-7.59	-8.94