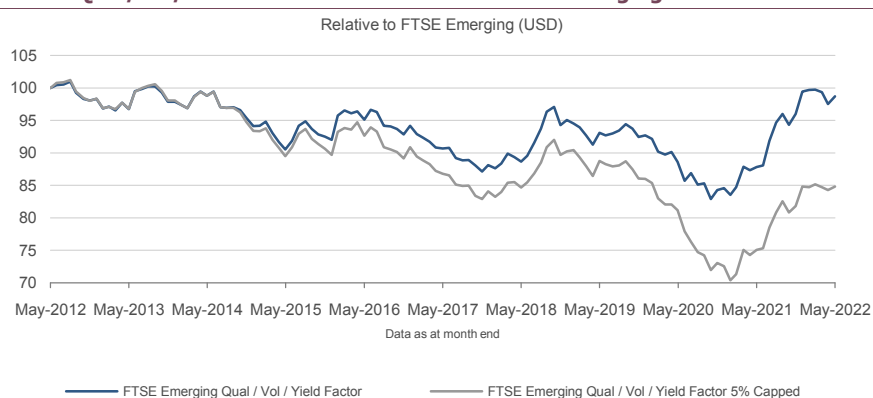


FTSE Emerging Qual/Vol/Yield Factor Indexes

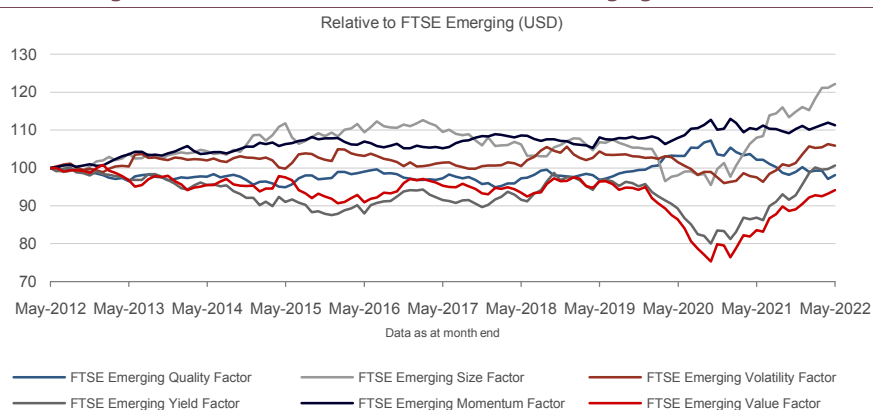
Data as at: 31 May 2022

The FTSE Global Factor Index Series is a new suite of benchmarks designed to represent the performance of specific individual factor characteristics and combinations of these factors. The factors represent common factor characteristics for which there is a broad academic and practitioner consensus, supported by a body of empirical evidence across different geographies and time periods.

10-Year Qual/Vol/Yield Performance relative to FTSE Emerging - Total Return



10-Year Single Factors Performance relative to FTSE Emerging - Total Return



FEATURES

Coverage

Derived from the FTSE Emerging Index, which represents large and mid cap companies in Emerging markets.

Objective

The FTSE Global Factor Index series uses a common methodology to achieve controlled exposure to target factor(s), whilst considering levels of diversification and capacity.

Liquidity

Stocks in the universe index are screened to ensure that the index is tradable.

Capping

The company level capping is applied quarterly using prices as at the close of business on the second Friday in March, June, September and December.

Transparency

Index methodologies are freely available on the FTSE Russell website.

Availability

The index is calculated based on price and total return methodologies and available end-of-day.

Industry Classification Benchmark (ICB)

Index constituents are categorized in accordance with the Industry Classification Benchmark (ICB), the global standard for industry sector analysis.

Performance and Volatility - Total Return

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE Emerging Qual / Vol / Yield Factor	-8.0	-6.0	-10.8	-6.6	25.2	37.7	7.8	6.6	14.4	20.0	16.6
FTSE Emerging Qual / Vol / Yield Factor 5% Capped	-7.5	-5.3	-10.2	-6.1	12.8	23.5	4.1	4.3	14.2	19.9	16.2
FTSE Emerging Quality Factor	-8.1	-9.4	-12.0	-20.1	19.7	27.6	6.2	5.0	18.9	21.2	16.5
FTSE Emerging Size Factor	-4.0	-2.7	-5.4	-6.0	35.2	41.1	10.6	7.1	13.9	20.2	18.6
FTSE Emerging Volatility Factor	-6.6	-4.5	-8.2	-9.8	19.8	32.0	6.2	5.7	14.5	18.6	15.4
FTSE Emerging Yield Factor	-6.6	-0.9	-5.4	-3.7	22.8	39.0	7.1	6.8	14.6	19.9	16.9
FTSE Emerging Momentum Factor	-6.6	-7.8	-10.0	-16.1	21.7	33.7	6.8	6.0	17.2	21.4	17.2
FTSE Emerging Value Factor	-5.7	-3.4	-6.5	-6.3	15.4	24.9	4.9	4.6	14.6	20.6	17.6
FTSE Emerging	-7.1	-8.6	-10.1	-16.9	18.1	26.5	5.7	4.8	17.7	20.6	16.6

* Compound annual returns measured over 3 and 5 years respectively

** Volatility – 1YR based on 12 months daily data. 3YR based on weekly data (Wednesday to Wednesday). 5YR based on monthly data

Year-on-Year Performance - Total Return

Index % (USD)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
FTSE Emerging Qual / Vol / Yield Factor	20.4	-3.9	-2.4	-17.1	16.2	24.0	-6.2	17.6	5.3	17.7
FTSE Emerging Qual / Vol / Yield Factor 5% Capped	20.1	-3.8	-3.3	-18.6	15.0	22.6	-6.6	14.9	-2.5	17.0
FTSE Emerging Quality Factor	17.1	-4.9	0.0	-13.7	13.3	30.9	-11.4	22.7	19.9	-2.9
FTSE Emerging Size Factor	25.5	-1.5	6.4	-14.8	15.3	29.0	-13.9	18.3	11.4	14.7
FTSE Emerging Volatility Factor	18.9	-0.2	1.5	-15.9	13.1	31.4	-8.7	17.2	8.0	7.9
FTSE Emerging Yield Factor	17.8	-6.6	-2.4	-19.4	22.0	27.0	-6.0	18.4	0.5	14.9
FTSE Emerging Momentum Factor	19.9	0.1	2.8	-13.5	10.8	36.5	-14.1	21.5	18.1	0.8
FTSE Emerging Value Factor	17.3	-6.8	0.3	-18.3	20.0	27.0	-9.8	18.6	-3.3	13.8
FTSE Emerging	17.9	-3.5	1.6	-15.2	13.5	32.5	-13.0	20.6	15.5	0.1

Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE Emerging Qual / Vol / Yield Factor	-0.4	0.3	0.4	0.3	-20.2	-35.3	-35.3	-37.0
FTSE Emerging Qual / Vol / Yield Factor 5% Capped	-0.4	0.1	0.3	0.2	-18.9	-36.4	-36.5	-38.8
FTSE Emerging Quality Factor	-1.0	0.2	0.3	0.3	-28.1	-32.4	-32.4	-34.9
FTSE Emerging Size Factor	-0.4	0.4	0.4	0.4	-15.3	-38.1	-40.4	-40.4
FTSE Emerging Volatility Factor	-0.7	0.2	0.4	0.4	-18.1	-32.6	-33.2	-33.9
FTSE Emerging Yield Factor	-0.2	0.3	0.4	0.3	-18.0	-35.2	-35.2	-41.3
FTSE Emerging Momentum Factor	-0.9	0.2	0.3	0.4	-23.1	-34.2	-36.5	-36.5
FTSE Emerging Value Factor	-0.4	0.2	0.3	0.2	-17.5	-36.4	-38.3	-40.7
FTSE Emerging	-0.9	0.2	0.3	0.3	-24.5	-33.4	-35.1	-35.7

Return/Risk Ratio – based on compound annual returns and volatility in Performance and Volatility table
Drawdown - based on daily data

INFORMATION

Index Universe

FTSE Emerging Index

Base Date

18 September 2015

Base Value

1000

Investability Screen

Actual free float and liquidity screen applied to underlying

Index Calculation

Index calculated end-of-day

End-of-Day Distribution

Via FTP and email

Currency

USD, EUR, GBP, JPY, AUD, Local

Review Dates

Annually in September. Additional review in March for Momentum Factor indices.

History

Available from September 2001

Top 10 Constituents - Qual/Vol/Yield

Constituent	Country	ICB Industry	FTSE Emerging Qual / Vol / Yield Factor (Wgt %)	FTSE Emerging (Wgt %)	Diff %
Taiwan Semiconductor Manufacturing	Taiwan	Technology	17.97	7.24	10.73
Infosys	India	Technology	5.12	1.08	4.04
Vale SA	Brazil	Basic Materials	4.34	1.17	3.17
Tata Consultancy Services	India	Technology	2.66	0.70	1.97
Al Rajhi Banking & Investment Corp	Saudi Arabia	Financials	2.31	0.81	1.50
B3 SA	Brazil	Financials	1.95	0.26	1.69
Wal-Mart de Mexico S.A.B. de C.V.	Mexico	Consumer Discretionary	1.86	0.30	1.56
China Shenhua Energy (H)	China	Energy	1.74	0.18	1.56
MediaTek	Taiwan	Technology	1.68	0.72	0.96
The Saudi National Bank	Saudi Arabia	Financials	1.51	0.66	0.85
Totals			41.14	13.12	

ICB Industry Breakdown - Qual/Vol/Yield

ICB Code	ICB Industry	FTSE Emerging Qual / Vol / Yield Factor		FTSE Emerging		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
10	Technology	29	34.41	189	23.06	11.35
15	Telecommunications	38	7.97	75	4.52	3.45
20	Health Care	25	1.76	155	3.51	-1.75
30	Financials	30	12.18	304	22.80	-10.63
35	Real Estate	19	1.52	101	2.55	-1.03
40	Consumer Discretionary	67	6.60	234	12.28	-5.68
45	Consumer Staples	62	7.46	155	6.21	1.25
50	Industrials	119	6.41	290	7.38	-0.97
55	Basic Materials	56	9.07	206	7.92	1.15
60	Energy	39	6.88	91	6.50	0.39
65	Utilities	70	5.75	104	3.27	2.47
Totals		554	100.00	1904	100.00	

Country Breakdown - Qual/Vol/Yield

Country	FTSE Emerging Qual / Vol / Yield Factor		FTSE Emerging		Diff %
	No. of Cons	Wgt %	No. of Cons	Wgt %	
Brazil	34	10.35	99	7.00	3.36
Chile	9	0.50	20	0.73	-0.24
China	245	23.30	1054	33.65	-10.35
Colombia	4	0.21	9	0.30	-0.09
Czech Rep.	1	0.53	3	0.17	0.36
Egypt	2	0.05	7	0.10	-0.05
Greece	5	0.49	12	0.35	0.13
Hungary	2	0.21	4	0.17	0.04
India	44	12.13	193	15.58	-3.45
Indonesia	11	2.02	35	1.95	0.08
Kuwait	2	0.29	11	0.98	-0.69
Malaysia	20	2.47	42	1.86	0.61
Mexico	19	4.41	37	2.72	1.70
Pakistan	3	0.07	4	0.02	0.06
Philippines	7	0.59	29	0.86	-0.27
Qatar	11	1.39	18	1.14	0.25
Romania	1	0.09	3	0.07	0.01
Saudi Arabia	24	7.11	53	5.26	1.84
South Africa	17	2.11	61	4.48	-2.37
Taiwan	49	25.92	114	17.98	7.94
Thailand	21	2.87	51	2.58	0.29
Turkey	13	0.67	27	0.42	0.24
UAE	10	2.22	18	1.62	0.61
Totals	554	100.00	1904	100.00	

Index Characteristics - FTSE Emerging Qual/Vol/Yield

Attributes	FTSE Emerging Qual / Vol / Yield Factor	FTSE Emerging Qual / Vol / Yield Factor 5% Capped
Number of constituents	554	554
Dividend Yield %	4.62	5.06
Constituent (Wgt %)		
Average	0.18	0.18
Largest	17.97	4.87
Median	0.05	0.06
Top 10 Holdings (Wgt %)	41.14	30.13

Index Characteristics - FTSE Emerging Single Factors

Attributes	FTSE Emerging Quality Factor	FTSE Emerging Size Factor	FTSE Emerging Volatility Factor	FTSE Emerging Yield Factor
Number of constituents	899	1226	494	163
Dividend Yield %	3.44	3.74	3.30	7.40
Constituent (Wgt %)				
Average	0.11	0.08	0.20	0.61
Largest	17.30	0.51	11.95	5.20
Median	0.03	0.04	0.08	0.40
Top 10 Holdings (Wgt %)	39.34	4.63	31.52	29.39

Index Characteristics - FTSE Emerging Single Factors (cont.)

Attributes	FTSE Emerging Momentum Factor	FTSE Emerging Value Factor	FTSE Emerging
Number of constituents	1312	1334	1904
Dividend Yield %	3.45	5.33	3.14
Constituent (Wgt %)			
Average	0.08	0.08	0.05
Largest	6.92	4.12	7.24
Median	0.03	0.03	0.02
Top 10 Holdings (Wgt %)	18.53	19.53	22.45

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