

Exceptional & Rich India 30™ Factsheet

AS OF JANUARY 13, 2023

Description

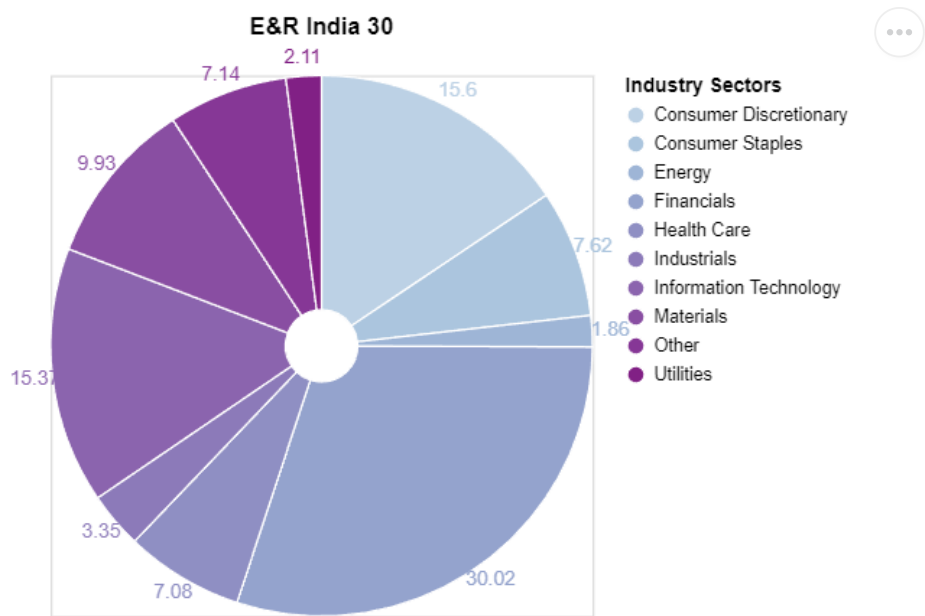
Exceptional & Rich India 30 Index [E&R India 30] has been created to improve the statistical and scientific design flaws of the market capitalization methodology used in the S&P BSE Sensex, which is widely regarded as the best single gauge of large-cap India equities. Unlike market capitalization methodology which is risk-increasing and return-reducing owing to its concentration, the E&R is designed to own 30 large-cap Indian equities, and deliver higher risk-weighted excess returns while maintaining low tracking error vs. the S&P BSE Sensex.

Methodology

The methodology is based on a modern science innovation, which uses Reversion-Divergence framework to dynamically score, weight and rebalance components in a group to deliver higher risk-weighted excess returns. The method removes the conflict between Efficient and Inefficient market thinking, statistically normal and non-normal behavior, or in simple terms the conflict between Value and Growth investing. The methodology is not Size biased, and obviates the need for concentration and running after winners but rather adopts a slower weight readjustment compared to the S&P BSE Sensex.

1. Exceptional & Rich India 30 - Inception date January 2007

1.1. Sector Breakdown

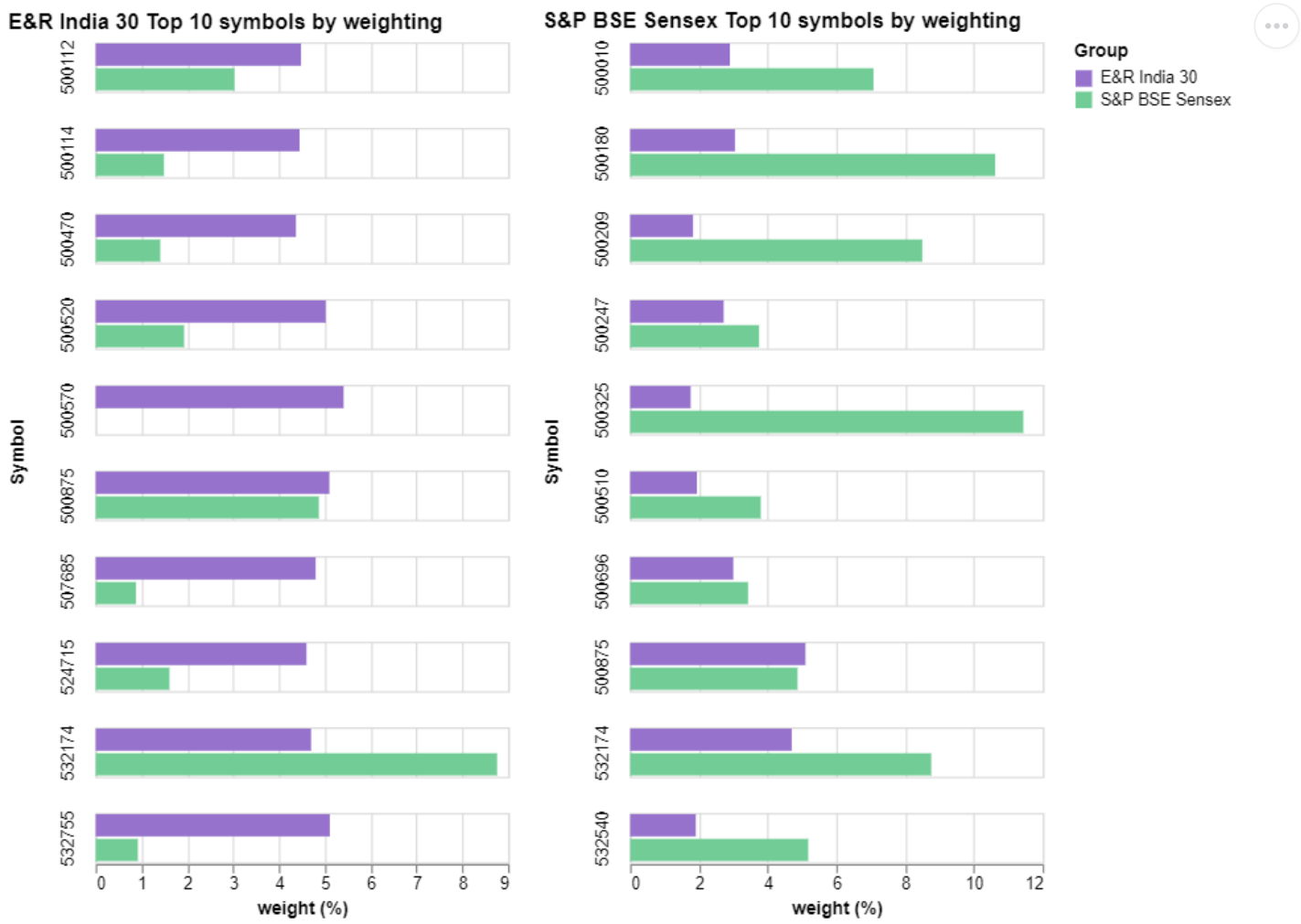


1.2. Top 10 Components

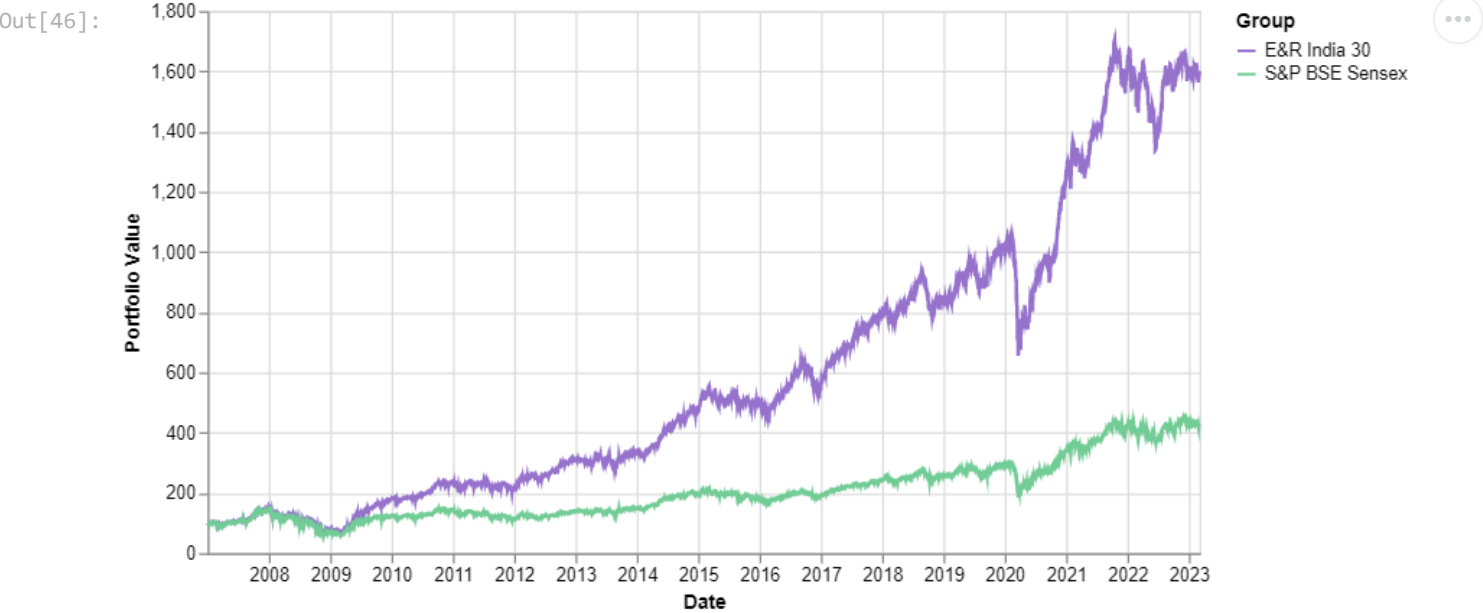
Out[44]:

	Nr./Symbol	Name	Current Price	P&L(%)	E&R India 30 Proportion(%)
1	500570	Tata Motors Limited	439.45	11.54	5.41
2	532755	Tech Mahindra	1078.15	5.28	5.11
3	500875	ITC	392.30	79.01	5.10
4	500520	Mahindra And Mahindra Ord Shs	1290.20	3.33	5.02
5	507685	WIPRO	392.50	-1.13	4.80
6	532174	ICICI Bank	872.25	-3.28	4.70
7	524715	Sun Pharma	957.20	-5.15	4.60
8	500112	State Bank Ind	564.80	-7.77	4.48
9	500114	Titan Co	2396.70	-8.31	4.45
10	500470	TATASTEEL	106.55	-10.05	4.37

1.3. Top 10 Comparisons



1.4. Performance Plot Since January 2007



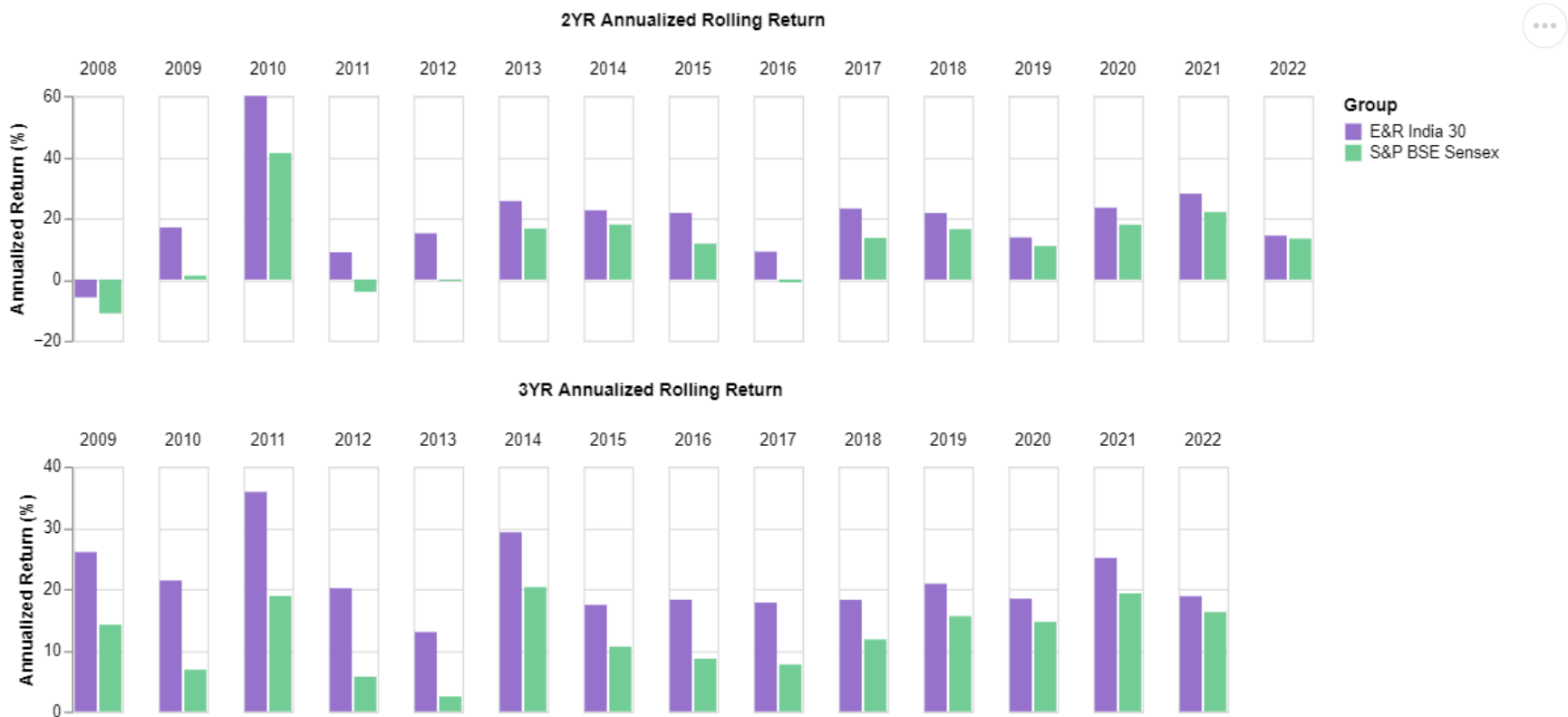
1.5. Performance Metrics

The table illustrates the performance across various parameters. The Performance (%) of Portfolio from different starting points, Current portfolio value of the funds invested at inception, Annualized (%) Returns, Annualized Standard Deviation (%), Average Tracking Error (%) and Average Information Ratio (%).

Out[47]:

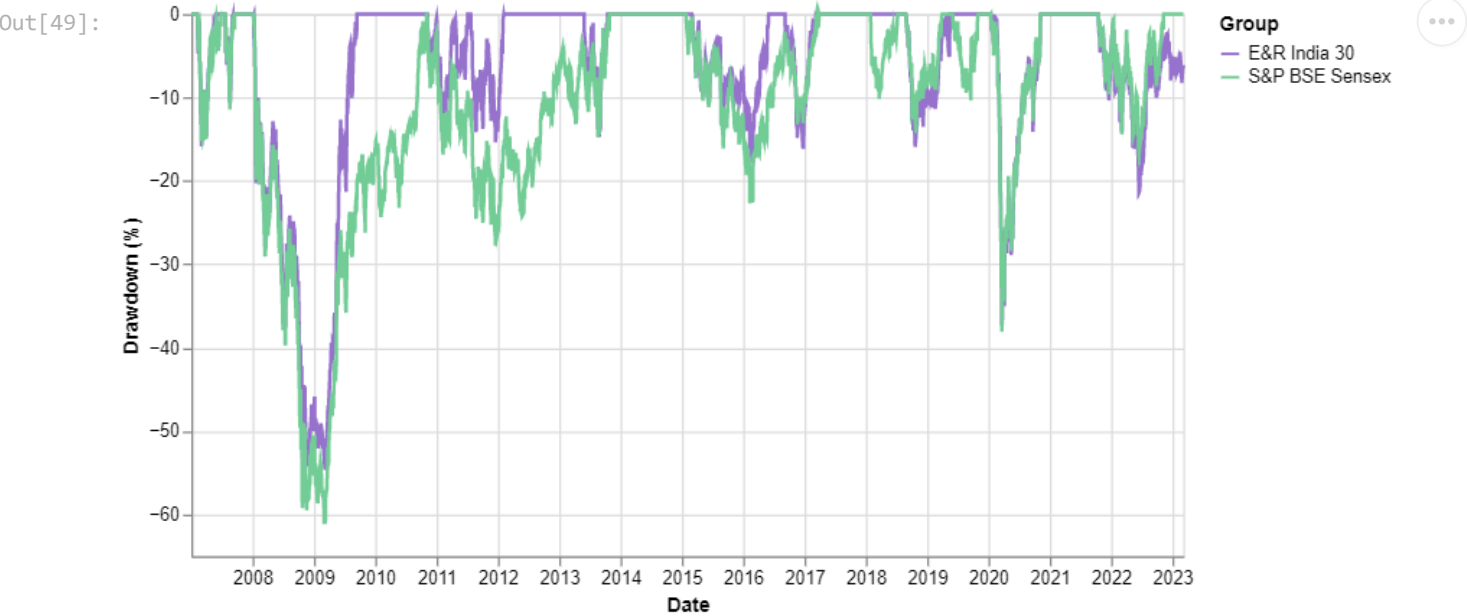
	Nr./Name	E&R India 30	S&P BSE Sensex
1	Performance (%) since January 2008	958.17	197.27
2	Performance (%) since January 2013	412.35	208.2
3	Performance (%) since January 2018	102.60	78.48
4	Performance (%) since January 2023	-0.78	-1.34
5	Current Portfolio Value (Invested in January 2007)	1599.55	430.6
6	Annualized (%) Return (Since January 2007)	18.68	9.44
7	Annualized Std. Deviation (%)	19.83	21.36
8	Average Tracking Error (%)	5.30	-
9	Average Information Ratio (%)	1.65	-

1.6. Annualized Rolling Return



1.7. Drawdown Analysis

A daily time series plot illustrating drawdowns of more than 10% from peak equity.



Out[50]:

	Nr./Portfolio Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	-	7-Feb-07	31-May-07	-15.84	113
2	-	23-Jul-07	13-Sep-07	-10.69	52
3	-	7-Jan-08	16-Sep-09	-54.45	618
4	-	9-Nov-10	7-Jul-11	-14.26	240
5	-	25-Jul-11	8-Feb-12	-15.38	198
6	-	30-May-13	18-Oct-13	-14.72	141
7	-	3-Mar-15	3-Jun-16	-17.90	458
8	-	8-Sep-16	14-Mar-17	-16.15	187
9	-	28-Aug-18	20-May-19	-15.93	265
10	-	17-Jan-20	9-Nov-20	-37.33	297
11	-	18-Oct-21	8-Mar-23	-21.41	506

Out[51]:

	Nr./Benchmark Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	-	8-Feb-07	2-Jul-07	-15.27	144
2	-	24-Jul-07	19-Sep-07	-11.43	57
3	-	8-Jan-08	4-Nov-10	-60.91	1031
4	-	5-Nov-10	30-Oct-13	-27.75	1090
5	-	29-Jan-15	3-Apr-17	-22.67	795
6	-	29-Jan-18	12-Jul-18	-10.16	164
7	-	28-Aug-18	2-Apr-19	-14.26	217
8	-	3-Jun-19	4-Nov-19	-10.37	154
9	-	14-Jan-20	9-Nov-20	-38.07	300
10	-	18-Oct-21	11-Nov-22	-16.85	389

Bibliography

[1] Matia, Kaushik and Pal, Mukul and Stanley, H. Eugene and Salunkay, H., Scale-Dependent Price Fluctuations for the Indian Stock Market. EuroPhysics Letters, Aug 2003

[2] M. Pal, M. Shah, A. Mitroi, Temporal Changes in Shiller’s Exuberance Data, SSRN, Feb 2011

[3] M. Pal, Mean Reversion Framework, SSRN, May 2015

[4] M. Pal, Markov and the Mean Reversion Framework, SSRN, May 2015

[5] M. Pal, Momentum and Reversion, Aug 2015

[6] M. Pal, What is Value, SSRN, Sep 2015

[7] M. Pal, M. Ferent, Stock Market Stationarity, SSRN, Sep 2015

[8] M. Pal, Reversion Diversion Hypothesis, SSRN, Nov 2015

[9] M. Pal, How Physics Solved your wealth problem, SSRN, Oct 2016

[10] M. Pal, Human AI, SSRN, Jul 2017

[11] M. Pal, The Size Proxy, Aug 2017

[12] M. Pal, The Beta Maths, SSRN, Mar 2017

[13] Maureen, O. Bhattacharya, A. ETFs and Systematic Risk. CFA Research Institute, Jan 2020

[14] M. Pal, [3N] model of life, SSRN, Apr 2021

[15] M. Pal, The S&P 500 Myth, SSRN, Jul 2022

[16] M. Pal, The Snowball Effect, SSRN, Jul 2022

[17] M. Pal, Mechanisms of Psychology, SSRN, Jun 2022

[18] M. Pal, The [3N] model of life, SSRN, Feb 2023


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