

SUMMARY

Best RECEIVERS
(Underperformers)

PEN
PLN
MXN

Best PAYERS
(Outperformers)

None

Best CROSSES
Rec / Pay

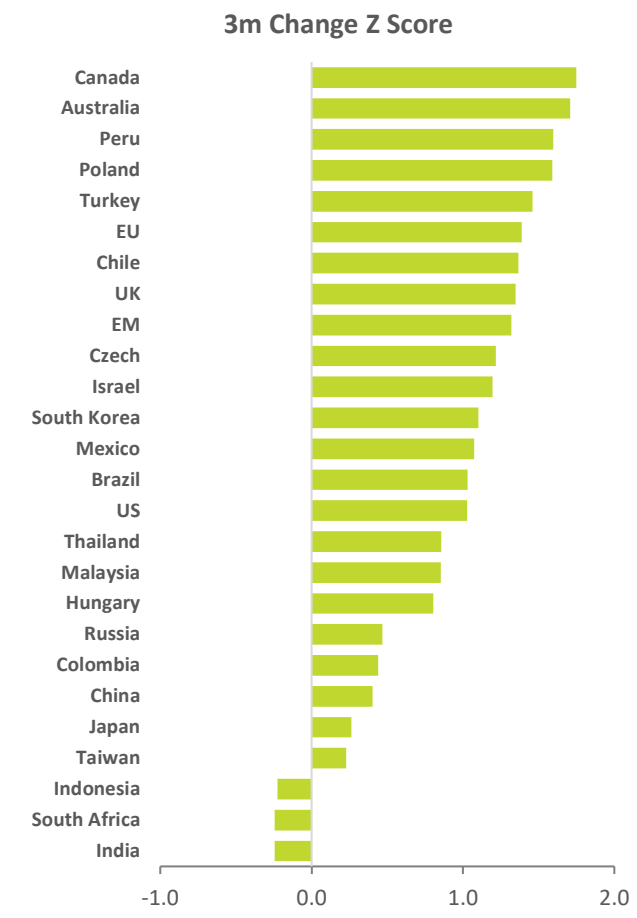
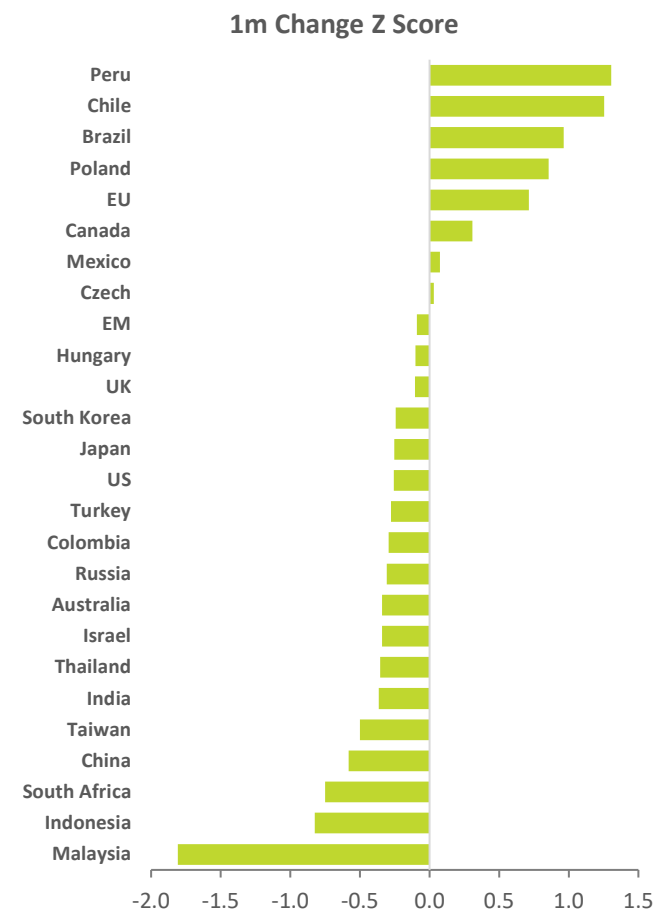
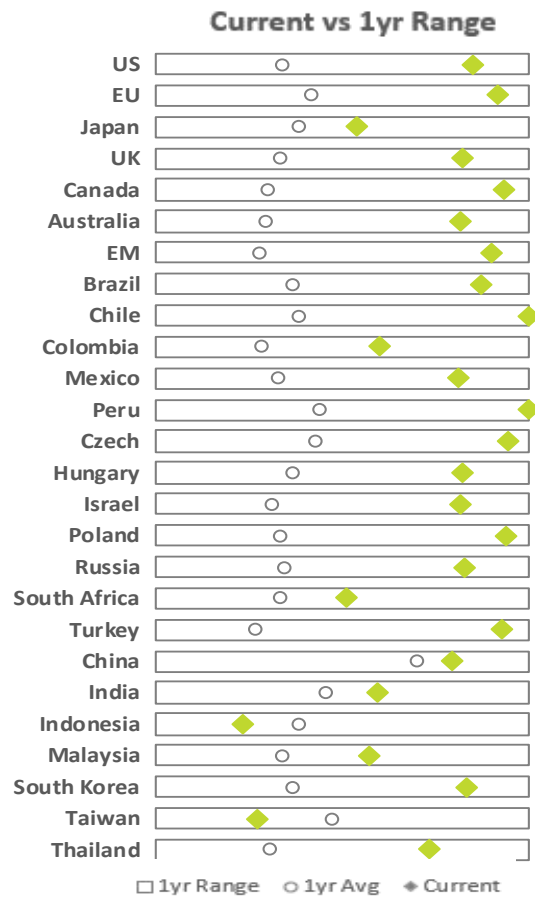
PEN / INR
PEN / IDR
PEN / TWD
PEN / ZAR

COMMENTS

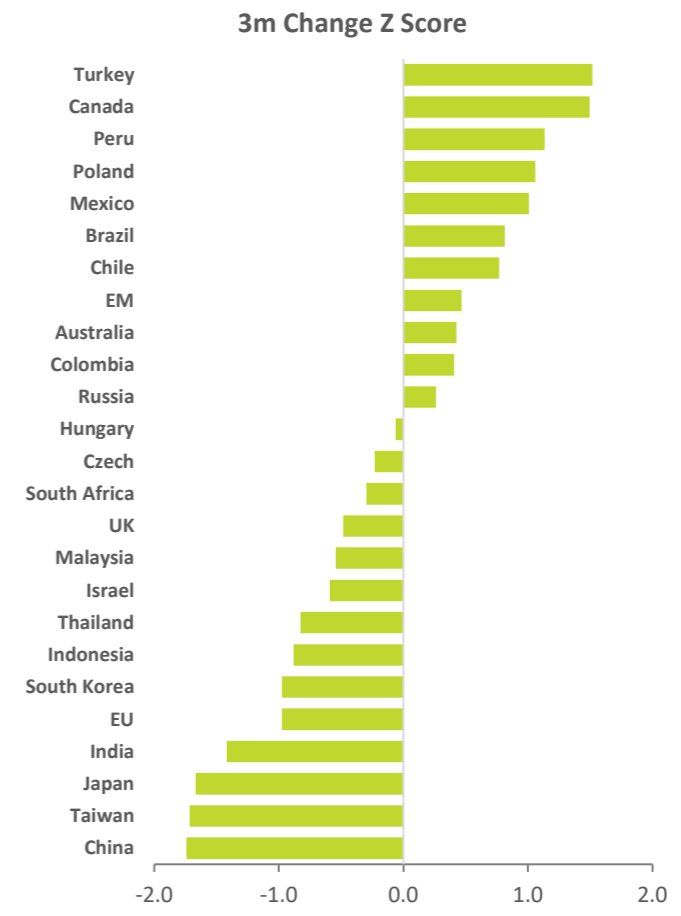
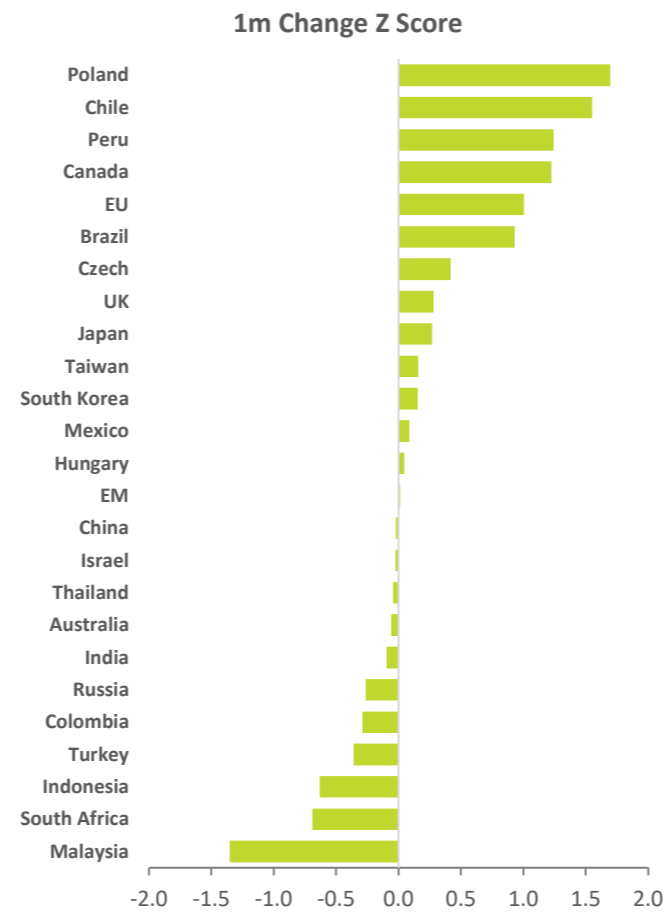
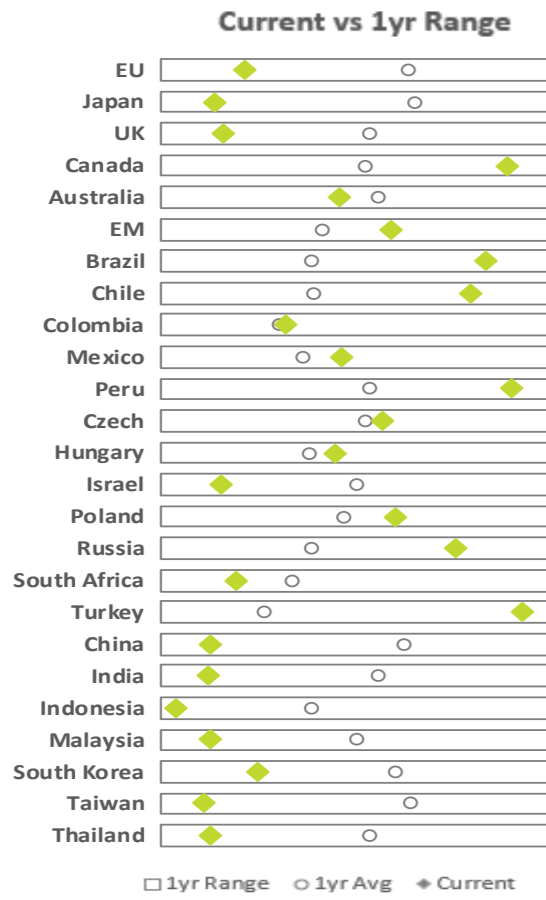
- Global rates have bounced up from their lows of last year and many are close to their 1yr highs
- We ignore any buy signals in **TRY** rates for now as the situation remains volatile
- Given fiscal risks, we are not inclined to receive **BRL** rates despite the sell-off

NOTES

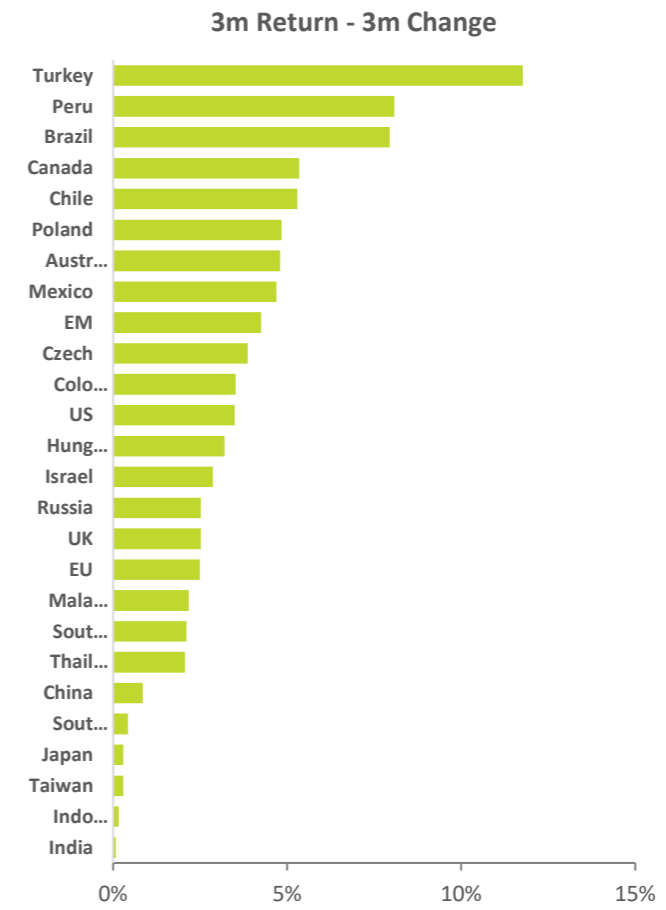
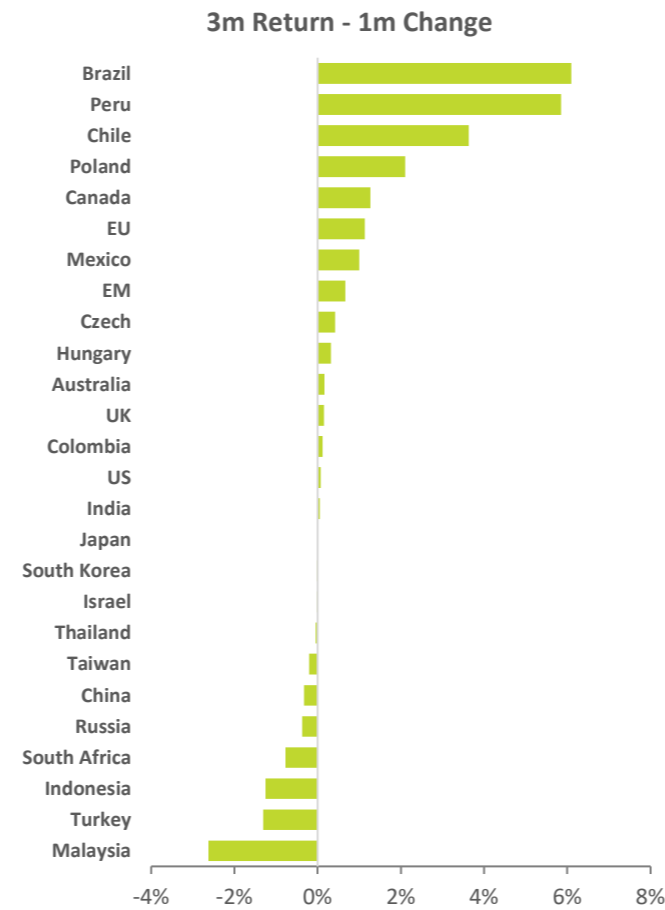
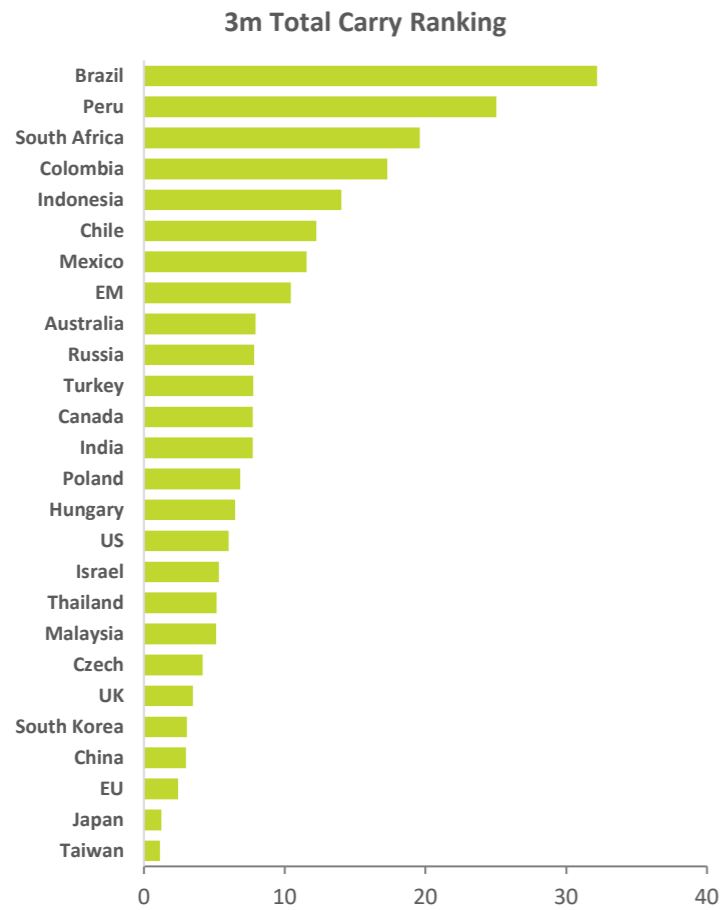
- The charts and tables in this document seek to identify leaders and laggards in EM 10y rates markets
- Two approaches are used:
 - Comparing 1m and 3m changes relative to an asset's own history
 - Comparing 1m and 3m changes relative to other assets based on beta to an index
- As such, the analysis is not a forecasting tool but to be used for identifying dislocations, which we loosely define as price moves that cannot be justified by fundamentals
- Returns are not annualized, and are computed assuming mean reversion over a 3-month investment horizon



	Spot Today	1-year		Average	Change				1-year Price Change		Beta Implied Change				Average Z Score	
		Weakest	Strongest		1d	1m	3m	1y	1m Zscore	3m Zscore	1m Beta	1m Zscore	3m Beta	3m Zscore	1m	3m
Global																
US	1.56	1.75	0.51	0.93	0	-8	47	94	-0.2	1.7	0.40	-0.3	0.41	0.3	-0.3	1.0
EU	-0.26	-0.23	-0.64	-0.47	0	8	28	16	0.8	1.9	0.16	0.7	0.16	0.8	0.7	1.4
Japan	0.07	0.17	-0.04	0.04	0	-1	4	7	-0.3	0.5	0.04	-0.2	0.04	0.0	-0.3	0.3
UK	0.73	0.88	0.08	0.34	-1	-3	45	41	-0.1	2.3	0.36	-0.1	0.42	0.4	-0.1	1.3
Canada	1.53	1.61	0.44	0.79	0	4	72	91	0.3	2.7	0.53	0.3	0.57	0.8	0.3	1.8
Australia	1.65	1.85	0.75	1.07	-2	-8	60	80	-0.3	2.6	0.35	-0.4	0.44	0.9	-0.3	1.7
EM	4.88	5.00	3.79	4.12	0	-4	86	68	-0.2	2.6	1.00	0.0	1.00	0.0	-0.1	1.3
LatAm																
Brazil	9.20	9.64	6.25	7.48	-13	62	169	224	0.9	1.9	1.49	1.0	1.75	0.2	1.0	1.0
Chile	3.48	3.48	1.90	2.50	0	28	87	91	1.2	2.5	0.78	1.3	0.91	0.2	1.3	1.4
Colombia	6.04	6.88	4.78	5.37	-2	-20	118	-84	-0.4	1.8	1.83	-0.2	2.06	-0.9	-0.3	0.4
Mexico	6.64	6.95	5.31	5.84	-2	-2	121	32	0.0	2.5	1.54	0.1	1.61	-0.4	0.1	1.1
Peru	5.09	5.09	3.20	4.03	0	47	146	97	1.2	3.0	1.54	1.4	1.56	0.2	1.3	1.6
CEEMEA																
Czech	1.74	1.81	0.54	1.08	3	0	54	97	0.0	1.7	0.29	0.1	0.33	0.8	0.0	1.2
Hungary	2.41	2.67	1.18	1.73	4	-3	63	62	-0.2	1.6	0.69	0.0	0.71	0.0	-0.1	0.8
Israel	1.17	1.32	0.50	0.75	-5	-7	46	50	-0.4	2.3	0.39	-0.3	0.50	0.1	-0.3	1.2
Poland	1.82	1.89	0.74	1.13	1	15	65	102	0.9	2.3	0.38	0.8	0.44	0.9	0.9	1.6
Russia	7.33	7.70	5.57	6.30	-5	-16	92	98	-0.4	1.6	1.37	-0.2	1.50	-0.6	-0.3	0.5
South Africa	7.37	8.23	6.47	7.05	2	-35	62	-79	-0.8	1.1	1.74	-0.7	1.75	-1.6	-0.7	-0.2
Turkey	17.80	18.31	11.33	13.18	14	-47	475	580	-0.4	2.1	4.56	-0.2	3.47	0.8	-0.3	1.5
Asia																
China	3.16	3.34	2.50	3.09	1	-7	1	59	-0.5	0.2	-0.09	-0.7	-0.12	0.6	-0.6	0.4
India	6.05	6.25	5.76	5.98	-2	-9	6	-17	-0.3	0.5	0.36	-0.4	0.38	-1.0	-0.4	-0.2
Indonesia	6.45	8.10	5.95	6.77	1	-33	24	-139	-0.9	0.5	0.74	-0.8	0.83	-0.9	-0.8	-0.2
Malaysia	3.07	3.50	2.50	2.84	-2	-38	43	11	-1.8	2.0	0.66	-1.8	0.58	-0.3	-1.8	0.9
South Korea	1.60	1.76	0.84	1.18	0	-4	31	53	-0.2	1.9	0.27	-0.3	0.31	0.3	-0.2	1.1
Taiwan	0.76	0.85	0.72	0.78	0	-4	3	-3	-0.4	0.6	0.05	-0.6	0.05	-0.2	-0.5	0.2
Thailand	1.61	1.84	0.99	1.25	-2	-8	33	58	-0.4	1.7	0.40	-0.4	0.38	0.0	-0.4	0.9



	Spd to US				Change				1-year Price Change		Beta Implied Change				Average Z Score		
	Today	Weakest	Strongest	Average	1d	1m	3m	1y	1m Zscore	3m Zscore	1m Beta	1m Zscore	3m Beta	3m Zscore	1m	3m	
Global	EU	-183	-103	-205	-140	0	15	-21	-79	1.0	-1.0	-0.06	1.0	0.05	-1.0	1.0	-1.0
	Japan	-149	-50	-165	-89	0	6	-44	-87	0.2	-1.8	-0.07	0.4	-0.01	-1.5	0.3	-1.7
	UK	-83	-29	-93	-59	-1	4	-4	-54	0.2	-0.4	0.07	0.3	0.19	-0.6	0.3	-0.5
	Canada	-3	0	-30	-14	1	11	23	-3	1.2	1.7	0.19	1.3	0.22	1.2	1.2	1.5
	Australia	9	40	-18	14	-2	-1	13	-14	-0.1	0.6	-0.02	0.0	0.19	0.3	-0.1	0.4
LatAm	EM	332	362	288	319	0	3	38	-26	0.0	0.9	1.00	0.0	1.00	0.0	0.0	0.5
	Brazil	764	802	563	655	-13	70	115	130	1.0	1.2	1.57	0.9	1.94	0.4	0.9	0.8
	Chile	191	208	124	157	0	35	36	-4	1.6	1.2	0.66	1.5	0.70	0.3	1.5	0.8
	Colombia	448	626	364	444	-2	-12	76	-178	-0.3	1.0	1.90	-0.3	2.27	-0.1	-0.3	0.4
	Mexico	508	598	429	491	-1	6	79	-62	0.1	1.6	1.40	0.0	1.48	0.4	0.1	1.0
CEEMEA	Peru	353	364	247	310	0	55	95	3	1.3	1.7	1.48	1.2	1.69	0.6	1.2	1.1
	Czech	18	44	-17	15	3	8	0	3	0.3	-0.3	0.09	0.5	0.05	-0.1	0.4	-0.2
	Hungary	84	122	54	80	4	4	14	-33	0.0	0.2	0.54	0.1	0.63	-0.3	0.0	-0.1
	Israel	-39	13	-49	-18	-5	1	-6	-44	-0.1	-0.4	0.14	0.0	0.38	-0.8	0.0	-0.6
	Poland	26	45	-4	19	2	23	19	7	1.7	1.1	0.13	1.7	0.08	1.0	1.7	1.1
Asia	Russia	577	602	496	537	-5	-8	47	4	-0.2	0.7	1.54	-0.3	1.43	-0.1	-0.3	0.3
	South Africa	581	758	538	612	2	-27	24	-173	-0.7	0.3	1.72	-0.7	2.05	-0.9	-0.7	-0.3
	Turkey	1624	1663	1065	1225	14	-39	425	486	-0.3	1.8	6.49	-0.4	4.30	1.2	-0.4	1.5
	China	160	257	146	216	1	0	-49	-35	-0.1	-2.0	-0.18	0.0	-0.27	-1.5	0.0	-1.7
	India	449	561	434	505	-2	-2	-36	-112	-0.1	-1.2	0.33	-0.1	0.35	-1.7	-0.1	-1.4
Asia	Indonesia	488	749	479	584	1	-25	-30	-234	-0.6	-0.6	0.70	-0.6	1.16	-1.2	-0.6	-0.9
	Malaysia	151	243	137	191	-2	-30	-8	-84	-1.4	-0.4	0.29	-1.4	0.34	-0.7	-1.4	-0.5
	South Korea	4	47	-10	24	0	3	-15	-42	0.1	-0.9	0.14	0.2	0.18	-1.1	0.2	-1.0
	Taiwan	-81	29	-94	-15	0	4	-44	-97	0.1	-1.8	-0.05	0.2	-0.02	-1.6	0.2	-1.7
	Thailand	5	62	-3	32	-2	0	-12	-36	-0.1	-0.7	0.10	0.0	0.23	-1.0	0.0	-0.8



	Level Today	Carry 3m	Rolldown 3m	Total 3m	1-year Price Change				Beta Implied Change				Average 3m Return		
					Fair Value	3m Return	Fair Value	3m Return	Fair Value	3m Return	Fair Value	3m Return	1m	3m	
Global	US	1.56	3.8	2.3	6.0	1.61	0.1%	1.03	5.4%	1.62	0.0%	1.45	1.6%	0.1%	3.5%
	EU	-0.26	0.7	1.7	2.4	-0.36	1.2%	-0.59	3.4%	-0.35	1.1%	-0.40	1.6%	1.1%	2.5%
	Japan	0.07	0.4	0.9	1.2	0.08	0.0%	0.03	0.5%	0.08	0.0%	0.07	0.1%	0.0%	0.3%
	UK	0.73	2.0	1.5	3.5	0.75	0.2%	0.25	4.1%	0.75	0.2%	0.65	0.9%	0.2%	2.5%
	Canada	1.53	3.7	4.1	7.7	1.47	1.2%	0.77	7.8%	1.47	1.3%	1.29	2.9%	1.3%	5.3%
	Australia	1.65	4.4	3.5	7.9	1.71	0.2%	1.00	6.8%	1.72	0.1%	1.43	2.8%	0.2%	4.8%
	EM	4.88	7.7	2.7	10.4	4.92	0.5%	4.01	7.7%	4.88	0.8%	4.88	0.8%	0.7%	4.2%
LatAm	Brazil	9.20	23.5	8.7	32.2	8.57	5.9%	7.47	12.8%	8.52	6.3%	9.02	3.1%	6.1%	7.9%
	Chile	3.48	9.1	3.1	12.3	3.18	3.6%	2.57	8.8%	3.17	3.7%	3.39	1.8%	3.6%	5.3%
	Colombia	6.04	14.7	2.6	17.3	6.23	-0.2%	4.83	10.2%	6.16	0.4%	6.64	-3.2%	0.1%	3.5%
	Mexico	6.64	8.4	3.2	11.5	6.64	0.9%	5.37	9.9%	6.59	1.2%	6.82	-0.5%	1.0%	4.7%
	Peru	5.09	14.3	10.8	25.0	4.62	5.6%	3.62	13.3%	4.56	6.1%	4.98	2.8%	5.8%	8.1%
CEEMEA	Czech	1.74	3.7	0.4	4.2	1.74	0.4%	1.19	5.1%	1.73	0.5%	1.48	2.6%	0.4%	3.9%
	Hungary	2.41	4.6	1.9	6.5	2.45	0.1%	1.79	5.7%	2.41	0.5%	2.39	0.7%	0.3%	3.2%
	Israel	1.17	2.9	2.4	5.3	1.23	0.0%	0.68	5.0%	1.22	0.0%	1.14	0.8%	0.0%	2.9%
	Poland	1.82	5.1	1.7	6.8	1.64	2.1%	1.12	6.7%	1.65	2.1%	1.55	2.9%	2.1%	4.8%
	Russia	7.33	6.8	1.0	7.8	7.49	-0.6%	6.40	7.2%	7.43	-0.2%	7.70	-2.1%	-0.4%	2.5%
	South Africa	7.37	13.7	5.9	19.6	7.72	-1.0%	6.75	5.5%	7.64	-0.5%	8.26	-4.7%	-0.8%	0.4%
	Turkey	17.80	8.5	-0.8	7.8	18.40	-1.9%	13.24	16.9%	18.07	-0.7%	16.04	6.7%	-1.3%	11.8%
Asia	China	3.16	2.7	0.3	3.0	3.22	-0.3%	3.12	0.5%	3.24	-0.4%	3.05	1.2%	-0.3%	0.9%
	India	6.05	9.4	-1.7	7.7	6.11	0.1%	5.92	1.5%	6.13	0.0%	6.31	-1.3%	0.1%	0.1%
	Indonesia	6.45	11.2	2.9	14.0	6.77	-1.4%	6.21	2.8%	6.74	-1.1%	6.92	-2.5%	-1.2%	0.2%
	Malaysia	3.07	3.3	1.9	5.1	3.43	-2.7%	2.60	4.5%	3.42	-2.6%	3.14	-0.1%	-2.6%	2.2%
	South Korea	1.60	2.4	0.7	3.0	1.63	0.0%	1.25	3.5%	1.64	0.0%	1.56	0.7%	0.0%	2.1%
	Taiwan	0.76	0.7	0.4	1.1	0.78	-0.2%	0.70	0.6%	0.79	-0.3%	0.77	0.0%	-0.2%	0.3%
	Thailand	1.61	3.1	2.1	5.1	1.67	0.0%	1.24	3.7%	1.67	-0.1%	1.61	0.5%	-0.1%	2.1%

Cross Rates 3m Returns (based on mean reversion of 3m changes)

		SHORT																							
		US	EU	Japan	UK	Australia	Brazil	Chile	Colombia	Mexico	Peru	Czech	Hungary	Israel	Poland	Russia	South Africa	Turkey	China	India	Indonesia	Malaysia	South Korea	Taiwan	Thailand
LONG	US	0.0%	1.0%	3.2%	1.0%	-1.3%	-4.5%	-1.8%	0.0%	-1.2%	-4.6%	-0.4%	0.3%	0.6%	-1.3%	1.0%	3.1%	-8.3%	2.6%	3.4%	3.3%	1.3%	1.4%	3.2%	1.4%
	EU	-1.0%	0.0%	2.2%	0.0%	-2.3%	-5.5%	-2.8%	-1.0%	-2.2%	-5.6%	-1.4%	-0.7%	-0.4%	-2.3%	0.0%	2.1%	-9.3%	1.6%	2.4%	2.3%	0.3%	0.4%	2.2%	0.4%
	Japan	-3.2%	-2.2%	0.0%	-2.2%	-4.5%	-7.7%	-5.0%	-3.2%	-4.4%	-7.8%	-3.6%	-2.9%	-2.6%	-4.5%	-2.2%	-0.1%	-11.5%	-0.6%	0.2%	0.1%	-1.9%	-1.8%	0.0%	-1.8%
	UK	-1.0%	0.0%	2.2%	0.0%	-2.3%	-5.4%	-2.8%	-1.0%	-2.2%	-5.6%	-1.3%	-0.7%	-0.3%	-2.3%	0.0%	2.1%	-9.3%	1.7%	2.4%	2.4%	0.3%	0.4%	2.2%	0.4%
	Australia	1.3%	2.3%	4.5%	2.3%	0.0%	-3.2%	-0.5%	1.3%	0.1%	-3.3%	0.9%	1.6%	1.9%	0.0%	2.3%	4.4%	-7.0%	3.9%	4.7%	4.6%	2.6%	2.7%	4.5%	2.7%
	Brazil	4.5%	5.5%	7.7%	5.4%	3.2%	0.0%	2.7%	4.4%	3.3%	-0.1%	4.1%	4.7%	5.1%	3.1%	5.4%	7.5%	-3.8%	7.1%	7.9%	7.8%	5.8%	5.8%	7.7%	5.9%
	Chile	1.8%	2.8%	5.0%	2.8%	0.5%	-2.7%	0.0%	1.8%	0.6%	-2.8%	1.4%	2.1%	2.4%	0.5%	2.8%	4.9%	-6.5%	4.4%	5.2%	5.1%	3.1%	3.2%	5.0%	3.2%
	Colombia	0.0%	1.0%	3.2%	1.0%	-1.3%	-4.4%	-1.8%	0.0%	-1.2%	-4.6%	-0.3%	0.3%	0.7%	-1.3%	1.0%	3.1%	-8.2%	2.7%	3.4%	3.4%	1.3%	1.4%	3.2%	1.4%
	Mexico	1.2%	2.2%	4.4%	2.2%	-0.1%	-3.3%	-0.6%	1.2%	0.0%	-3.4%	0.8%	1.5%	1.8%	-0.2%	2.2%	4.3%	-7.1%	3.8%	4.6%	4.5%	2.5%	2.6%	4.4%	2.6%
	Peru	4.6%	5.6%	7.8%	5.6%	3.3%	0.1%	2.8%	4.6%	3.4%	0.0%	4.2%	4.9%	5.2%	3.2%	5.6%	7.7%	-3.7%	7.2%	8.0%	7.9%	5.9%	6.0%	7.8%	6.0%
	Czech	0.4%	1.4%	3.6%	1.3%	-0.9%	-4.1%	-1.4%	0.3%	-0.8%	-4.2%	0.0%	0.7%	1.0%	-1.0%	1.3%	3.4%	-7.9%	3.0%	3.8%	3.7%	1.7%	1.8%	3.6%	1.8%
	Hungary	-0.3%	0.7%	2.9%	0.7%	-1.6%	-4.7%	-2.1%	-0.3%	-1.5%	-4.9%	-0.7%	0.0%	0.3%	-1.6%	0.7%	2.8%	-8.6%	2.4%	3.1%	3.1%	1.0%	1.1%	2.9%	1.1%
	Israel	-0.6%	0.4%	2.6%	0.3%	-1.9%	-5.1%	-2.4%	-0.7%	-1.8%	-5.2%	-1.0%	-0.3%	0.0%	-2.0%	0.3%	2.4%	-8.9%	2.0%	2.8%	2.7%	0.7%	0.8%	2.6%	0.8%
	Poland	1.3%	2.3%	4.5%	2.3%	0.0%	-3.1%	-0.5%	1.3%	0.2%	-3.2%	1.0%	1.6%	2.0%	0.0%	2.3%	4.4%	-6.9%	4.0%	4.8%	4.7%	2.7%	2.7%	4.5%	2.8%
	Russia	-1.0%	0.0%	2.2%	0.0%	-2.3%	-5.4%	-2.8%	-1.0%	-2.2%	-5.6%	-1.3%	-0.7%	-0.3%	-2.3%	0.0%	2.1%	-9.2%	1.7%	2.4%	2.4%	0.4%	0.4%	2.2%	0.5%
	South Africa	-3.1%	-2.1%	0.1%	-2.1%	-4.4%	-7.5%	-4.9%	-3.1%	-4.3%	-7.7%	-3.4%	-2.8%	-2.4%	-4.4%	-2.1%	0.0%	-11.3%	-0.4%	0.3%	0.3%	-1.7%	-1.7%	0.1%	-1.6%
	Turkey	8.3%	9.3%	11.5%	9.3%	7.0%	3.8%	6.5%	8.2%	7.1%	3.7%	7.9%	8.6%	8.9%	6.9%	9.2%	11.3%	0.0%	10.9%	11.7%	11.6%	9.6%	9.7%	11.5%	9.7%
	China	-2.6%	-1.6%	0.6%	-1.7%	-3.9%	-7.1%	-4.4%	-2.7%	-3.8%	-7.2%	-3.0%	-2.4%	-2.0%	-4.0%	-1.7%	0.4%	-10.9%	0.0%	0.8%	0.7%	-1.3%	-1.3%	0.6%	-1.2%
	India	-3.4%	-2.4%	-0.2%	-2.4%	-4.7%	-7.9%	-5.2%	-3.4%	-4.6%	-8.0%	-3.8%	-3.1%	-2.8%	-4.8%	-2.4%	-0.3%	-11.7%	-0.8%	0.0%	-0.1%	-2.1%	-2.0%	-0.2%	-2.0%
	Indonesia	-3.3%	-2.3%	-0.1%	-2.4%	-4.6%	-7.8%	-5.1%	-3.4%	-4.5%	-7.9%	-3.7%	-3.1%	-2.7%	-4.7%	-2.4%	-0.3%	-11.6%	-0.7%	0.1%	0.0%	-2.0%	-2.0%	-0.1%	-1.9%
Malaysia	-1.3%	-0.3%	1.9%	-0.3%	-2.6%	-5.8%	-3.1%	-1.3%	-2.5%	-5.9%	-1.7%	-1.0%	-0.7%	-2.7%	-0.4%	1.7%	-9.6%	1.3%	2.1%	2.0%	0.0%	0.1%	1.9%	0.1%	
South Korea	-1.4%	-0.4%	1.8%	-0.4%	-2.7%	-5.8%	-3.2%	-1.4%	-2.6%	-6.0%	-1.8%	-1.1%	-0.8%	-2.7%	-0.4%	1.7%	-9.7%	1.3%	2.0%	2.0%	-0.1%	0.0%	1.8%	0.0%	
Taiwan	-3.2%	-2.2%	0.0%	-2.2%	-4.5%	-7.7%	-5.0%	-3.2%	-4.4%	-7.8%	-3.6%	-2.9%	-2.6%	-4.5%	-2.2%	-0.1%	-11.5%	-0.6%	0.2%	0.1%	-1.9%	-1.8%	0.0%	-1.8%	
Thailand	-1.4%	-0.4%	1.8%	-0.4%	-2.7%	-5.9%	-3.2%	-1.4%	-2.6%	-6.0%	-1.8%	-1.1%	-0.8%	-2.8%	-0.5%	1.6%	-9.7%	1.2%	2.0%	1.9%	-0.1%	0.0%	1.8%	0.0%	

IMPORTANT INFORMATION AND DISCLAIMER

THIS DOCUMENT IS INTENDED ONLY FOR THE PERSON TO WHOM IT HAS BEEN DELIVERED. THIS DOCUMENT DOES NOT CONSTITUTE AN OFFER TO SELL, IS NOT AN OFFER OR A SOLICITATION OF AN OFFER IN RESPECT OF SECURITIES AND SHOULD NOT BE CONSTRUED AS AN OFFER OF ANY KIND OR THE SOLICITATION OF AN OFFER TO BUY IN ANY STATE OR JURISDICTION TO ANY PERSON TO WHOM IT IS UNLAWFUL TO MAKE SUCH OFFER OR SOLICITATION. THE DOCUMENT HAS BEEN PROVIDED FOR INFORMATIONAL AND EDUCATIONAL PURPOSES ONLY. THE INFORMATION IS NOT INTENDED TO PROVIDE OR CONSTITUTE INVESTMENT, ACCOUNTING, TAX OR LEGAL ADVICE.

THIS DOCUMENT AND THE TRADING STRATEGIES DISCUSSED WITHIN THE DOCUMENT ARE THE INTELLECTUAL PROPERTY OF GAUTAM JAIN AND MAY NOT BE REPLICATED, REPRODUCED OR REDISTRIBUTED IN WHOLE OR IN PART NOR MAY ITS CONTENTS BE DISCLOSED TO ANY OTHER PERSON UNDER ANY CIRCUMSTANCES, WITHOUT THE EXPLICIT CONSENT OF GAUTAM JAIN.

THE HYPOTHETICAL PERFORMANCE FIGURES HEREIN SHOULD NOT BE CONSTRUED AS INDICATIVE OF THE FUTURE PERFORMANCE OF THE STRATEGY OR OF ANY PROPOSED TRADING PROGRAM. HYPOTHETICAL PERFORMANCE RESULTS HAVE MANY INHERENT LIMITATIONS, SOME OF WHICH ARE DESCRIBED BELOW. NO REPRESENTATION IS BEING MADE THAT THE STRATEGY OR OF ANY PROPOSED TRADING PROGRAM WILL OR IS LIKELY TO ACHIEVE PROFITS OR LOSSES TO THOSE SHOWN. IN FACT, THERE ARE FREQUENTLY SHARP DIFFERENCES BETWEEN HYPOTHETICAL PERFORMANCE RESULTS AND THE ACTUAL RESULTS SUBSEQUENTLY ACHIEVED BY ANY PARTICULAR TRADING PROGRAM. ONE OF THE LIMITATIONS OF HYPOTHETICAL PERFORMANCE RESULTS IS THAT THEY ARE GENERALLY PREPARED WITH THE BENEFIT OF HINDSIGHT. IN ADDITION, HYPOTHETICAL TRADING DOES NOT INVOLVE FINANCIAL RISK, AND NO HYPOTHETICAL TRADING RECORD CAN COMPLETELY ACCOUNT FOR THE IMPACT OF FINANCIAL RISK IN ACTUAL TRADING. FOR EXAMPLE, THE ABILITY TO WITHSTAND LOSSES OR ADHERE TO A PARTICULAR TRADING PROGRAM IN SPITE OF TRADING LOSSES ARE MATERIAL POINTS WHICH CAN ALSO ADVERSELY AFFECT ACTUAL TRADING RESULTS. THERE ARE NUMEROUS OTHER FACTORS RELATED TO THE MARKETS IN GENERAL OR TO THE IMPLEMENTATION OF ANY SPECIFIC TRADING PROGRAM WHICH CANNOT BE FULLY ACCOUNTED FOR IN THE PREPARATION OF HYPOTHETICAL PERFORMANCE RESULTS AND ALL OF WHICH CAN ADVERSELY AFFECT ACTUAL TRADING RESULTS. THE HYPOTHETICAL PERFORMANCE FIGURES PROVIDED HEREIN ARE CALCULATED BY GAUTAM JAIN AND ARE UNAUDITED.

THESE RESULTS ARE BASED ON SIMULATED OR HYPOTHETICAL PERFORMANCE RESULTS THAT HAVE CERTAIN INHERENT LIMITATIONS. UNLIKE THE RESULTS SHOWN IN AN ACTUAL PERFORMANCE RECORD, THESE RESULTS DO NOT REPRESENT ACTUAL TRADING. ALSO, BECAUSE THESE TRADES HAVE NOT ACTUALLY BEEN EXECUTED, THESE RESULTS MAY HAVE NOT ACTUALLY BEEN EXECUTED, THESE RESULTS MAY HAVE UNDER- OR OVER-COMPENSATED FOR THE IMPACT, IF ANY, OF CERTAIN MARKET FACTORS, SUCH AS LACK OF LIQUIDITY. SIMULATED OR HYPOTHETICAL TRADING PROGRAMS IN GENERAL ARE ALSO SUBJECT TO THE FACT THAT THEY ARE DESIGNED WITH THE BENEFIT OF HINDSIGHT. NO REPRESENTATION IS BEING MADE THAT ANY ACCOUNT WILL OR IS LIKELY TO ACHIEVE PROFITS OR LOSSES SIMILAR TO THESE BEING SHOWN.

EXPOSURE TO EMERGING MARKETS GENERALLY ENTAILS GREATER RISKS THAN EXPOSURE TO WELL-DEVELOPED MARKETS, INCLUDING POTENTIALLY SIGNIFICANT LEGAL, ECONOMIC AND POLITICAL RISKS. THE PRICES OF EMERGING MARKET EXCHANGE RATES, SECURITIES AND OTHER ASSETS ARE OFTEN HIGHLY VOLATILE. MOVEMENTS IN SUCH PRICES ARE INFLUENCED BY, AMONG OTHER THINGS, INTEREST RATES, CHANGING MARKET SUPPLY AND DEMAND, EXTERNAL MARKET FORCES (PARTICULARLY IN RELATION TO MAJOR TRADING PARTNERS), TRADE, FISCAL, MONETARY PROGRAMS, POLICIES OF GOVERNMENTS, AND INTERNATIONAL POLITICAL AND ECONOMIC EVENTS AND POLICIES. ANY PROJECTIONS, MARKET OUTLOOKS OR ESTIMATES IN THIS DOCUMENT ARE FORWARD LOOKING STATEMENTS AND ARE BASED UPON CERTAIN ASSUMPTIONS. OTHER EVENTS WHICH WERE NOT TAKEN INTO ACCOUNT MAY OCCUR AND MAY SIGNIFICANTLY AFFECT RETURNS OR PERFORMANCE OF AN INVESTMENT. ANY PROJECTIONS, OUTLOOKS, OR ASSUMPTIONS SHOULD NOT BE CONSTRUED TO BE INDICATIVE OF THE ACTUAL EVENTS WHICH WILL OCCUR. THE HYPOTHETICAL PERFORMANCE FIGURES HEREIN SHOULD NOT BE CONSTRUED AS INDICATIVE OF THE FUTURE PERFORMANCE OF THE BASKET OR OF ANY PROPOSED TRADING PROGRAM.