

ETF Monthly Market Timing Model

	<u>Model</u>	<u>S&P 500</u>		<u>Model</u>	<u>S&P 500</u>		<u>Model</u>	<u>S&P 500</u>
			Annual Returns			Compound Annual Growth		
Sharpe	0.86	0.49	1999	15.31	21.06	Inception	9.61	8.10
Skew	-0.41	-0.67	2000	5.78	-9.09	25 Year	9.75	7.89
Kurtosis	2.33	1.12	2001	3.40	-11.86	20 Year	9.88	10.58
Max drawdown	-23.24	-50.95	2002	-3.58	-22.10	15 Year	10.93	14.22
Up Capture	0.74		2003	31.38	28.69	10 Year	8.32	13.00
Down Capture	0.54		2004	8.99	10.88	5 Year	7.10	15.27
Alpha	4.67		2005	2.11	4.91	3 Year	2.01	9.08
Beta	0.59		2006	13.10	15.79			
Up Beta	0.63		2007	2.36	5.49	Standard Deviation History		
Down Beta	0.45		2008	-4.89	-37.00	Inception	11.17	16.53
Correlation	0.86		2009	24.99	26.47	25 Year	11.32	16.61
Up Correlation	0.74		2010	20.30	15.06	20 Year	11.59	16.21
Down Correlation	0.63		2011	7.11	2.11	15 Year	12.08	15.56
Positive months	196	200	2012	9.24	16.00	10 Year	12.69	16.36
Negative months	114	110	2013	24.53	32.39	5 Year	16.14	19.60
Win rate	63.23	64.52	2014	14.32	13.69	3 Year	14.32	18.44
			2015	3.61	1.38			
Positive quarters	73	73	2016	14.60	11.96	Average Monthly Returns		
Negative quarters	30	30	2017	16.05	21.83	January	-0.08	-0.01
Win rate	70.87	70.87	2018	5.15	-4.38	February	0.36	-0.46
			2019	10.73	31.49	March	0.72	1.46
Positive years	22	19	2020	12.66	18.40	April	0.89	1.72
Negative years	3	6	2021	16.24	28.71	May	0.74	0.50
Win Rate	88.00	76.00	2022	-17.50	-18.11	June	0.46	0.04
			2023	16.10	26.29	July	1.43	1.34
			2024-10	8.44	20.97	August	0.42	0.21
						September	0.03	-1.55
Range of Historical Rolling CAGRs:						October	1.00	1.47
Best 1-year	48.85	56.35				November	2.25	2.13
Worst 1-year	-19.01	-43.32				December	1.04	1.02
Best 3-year	23.66	26.07						
Worst 3-year	-2.03	-16.08				May-Oct	3.07	0.53
Best 5-year	20.28	23.00				Nov-Apr	6.18	7.33
Worst 5-year	1.46	-6.64						
Best 10-year	15.51	16.67						
Worst 10-year	5.95	-3.43						

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