

# Sector ETF Allocation Model

	<u>Model</u>	<u>S&amp;P 500</u>		<u>Model</u>	<u>S&amp;P 500</u>		<u>Model</u>	<u>S&amp;P 500</u>
			<b>Annual Returns</b>			<b>Compound Annual Growth</b>		
Sharpe	1.26	0.50	1999	12.29	21.06	Inception	11.34	8.27
Skew	0.04	-0.67	2000	10.78	-9.09	25 Year	11.42	8.04
Kurtosis	1.35	1.12	2001	7.49	-11.86	20 Year	11.41	10.64
Max drawdown	-12.71	-50.95	2002	4.59	-22.10	15 Year	11.88	14.37
Up Capture	0.67		2003	23.31	28.69	10 Year	11.03	13.76
Down Capture	0.35		2004	12.24	10.88	5 Year	12.75	15.17
Alpha	7.28		2005	4.31	4.91	3 Year	7.98	11.91
Beta	0.47		2006	14.91	15.79			
Up Beta	0.61		2007	9.55	5.49	<b>Standard Deviation History</b>		
Down Beta	0.24		2008	-2.43	-37.00	Inception	8.96	16.50
Correlation	0.84		2009	28.86	26.47	25 Year	9.08	16.58
Up Correlation	0.80		2010	15.07	15.06	20 Year	9.31	16.24
Down Correlation	0.45		2011	3.34	2.11	15 Year	9.85	15.53
Positive months	211	202	2012	12.87	16.00	10 Year	9.58	16.42
Negative months	102	111	2013	24.85	32.39	5 Year	11.47	19.77
Win rate	67.41	64.54	2014	8.66	13.69	3 Year	9.72	18.26
			2015	2.72	1.38			
Positive quarters	82	74	2016	14.27	11.96	<b>Average Monthly Returns</b>		
Negative quarters	22	30	2017	10.93	21.83	January	0.31	0.10
Win rate	78.85	71.15	2018	-1.50	-4.38	February	0.55	-0.46
			2019	20.86	31.49	March	1.49	1.46
Positive years	24	20	2020	17.67	18.40	April	1.41	1.72
Negative years	2	6	2021	24.49	28.71	May	0.56	0.50
Win Rate	92.31	76.92	2022	0.84	-18.11	June	0.24	0.04
			2023	9.88	26.29	July	1.47	1.34
Positive positions	962		2024	9.74	25.02	August	0.33	0.21
Average gain	4.34		2025-01	2.43	2.78	September	0.01	-1.55
Negative positions	193					October	1.44	1.47
Average loss	-4.28					November	2.08	2.26
Trades	283					December	0.85	0.89
... per month	0.90							
						May-Oct	2.62	0.53
						Nov-Apr	8.14	7.44
<b>Range of Historical Rolling CAGRs:</b>								
Best 1-year	42.44	56.35						
Worst 1-year	-5.48	-43.32						
Best 3-year	20.98	26.07						
Worst 3-year	3.88	-16.08						
Best 5-year	17.98	23.00						
Worst 5-year	5.41	-6.64						
Best 10-year	13.45	16.67						
Worst 10-year	8.87	-3.43						

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