USD to COP Forecast (Pricing Assets | Market Points model)

Dynamic multivariate projection system grounded in a structural and mechanistic approach. It interprets the historical behavior of the U.S. dollar and recalibrates its trajectory based on current market conditions, using nonlinear dynamics among key financial assets and adapting in real time through supervised learning.

Rather than smoothing out volatility, the model embraces it—treating chaos as an informational asset. It forecasts operational ranges with minimal error margins while honoring the real and dynamic nature of financial markets.

S & P 500	BB+ = Grado NO inversión especulativo	
FITCH	BB+ = Grado NO inversión especulativo	
MOODY´s	Baa2 = Grado medio superior	

YIELD BONDS 10 Y EEUU:	4,40%
YIELD BONDS 10Y COL:	12.41%
PREMIUM COL:	8,01(%)

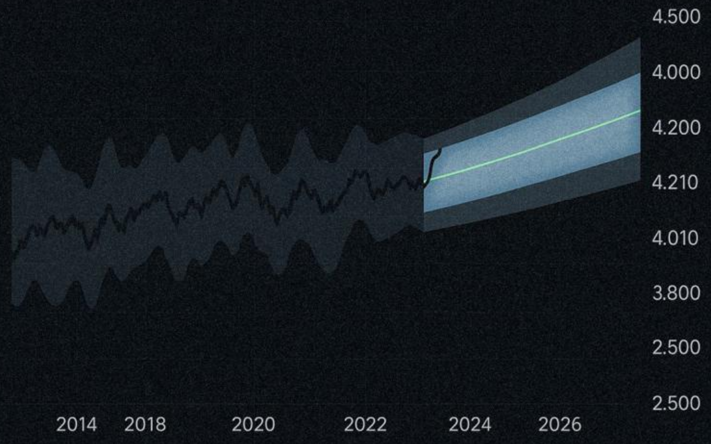
CDS 5y COL:	277,53 bps
FISCAL DEFICIT 24 (% of GDP):	6.8%
BUDGET DEFCIIT 25 (% of GDP):	5,6%

Fixed Exchange rate (1931 -1967):	2,25%
Mini-Devaluations (1697 – 1991):	10,20%
Crawling Bands (1991-1999):	16,8%
Floating Exchange rate (> 1999) :	20,9%

PRICING ASSETS | MARKET POINTS…….

June 2025

Exchange Rate



December

Projected 4,413

Range June 4,072 – 4,238

IPAC June 0,99

Seasonality 0,98

IPAC Fairly Valued

Confidence 91,38%

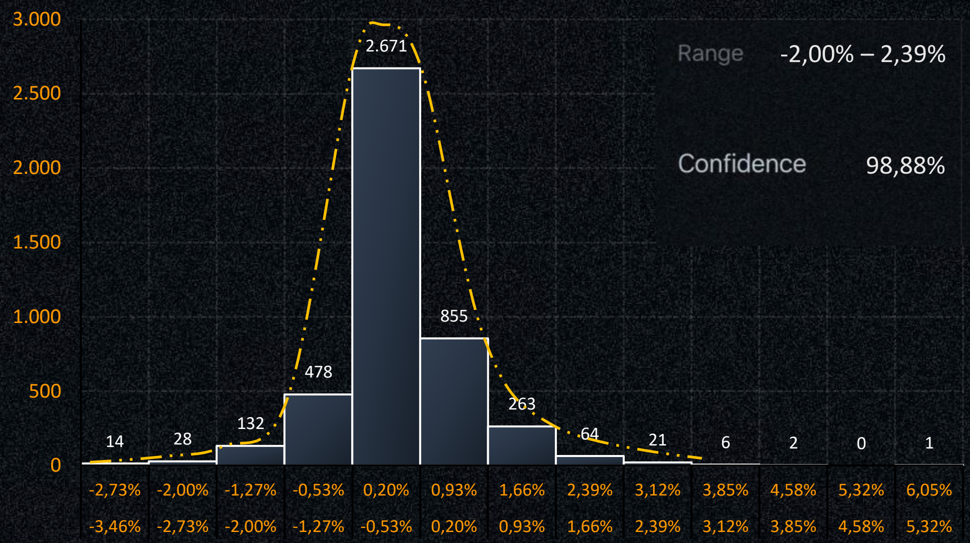
Range

IPAC

Seasonality

NORMAL DISTRIBUTION

June 2025



Range -2,00% – 2,39%

Confidence 98,88%

SYSTEMATIC RISK

Brent	-0,13
MCSI Colcap	-0,23
NYSE	-0,33
Nasdaq	-0,18
S&P 500	-0,27
Dow Jones	-0,27
Wilshire 5000	-0,23

OPTIMAL DISTRIBUTION

Brent	3,30%
Gold	36,90%
USD	63,10%
EUR	0,00%
GBP	0,00%
JPY	0,00%
CNY	0,00%

BRENT

Min	Max	USD
USD 27,37	USD 38,62	$ 5.654,52
USD 38,62	USD 49,87	$ 5.403,48
USD 49,87	USD 61,12	$ 4.784,81
USD 61,12	USD 72,37	$ 4.191,71
USD 72,37	USD 83,62	$ 4.209,22
USD 83,62	USD 94,87	$ 4.130,47
USD 94,87	USD 106,12	$ 5.263,37
USD 106,12	USD 117,37	$ 4.703,98

MCSI COLCAP

Min	Max	USD
1.086,50	1.183,53	$ 4.654,20
1.183,53	1.280,56	$ 4.123,12
1.280,56	1.377,58	$ 4.312,19
1.377,58	1.474,61	$ 4.289,15
1.474,61	1.571,64	$ 4.129,28
1.571,64	1.668,67	$ 4.191,71
1.668,67	1.765,70	$ 3.539,89
1.765,70	1.862,73	$ 3.438,60

NASDAQ

Min	Max	USD
2.734,98	5.096,88	$ 4.632,59
5.096,88	7.458,77	$ 4.610,46
7.458,77	9.820,67	$ 5.340,91
9.820,67	12.182,56	$ 5.212,62
12.182,56	14.544,46	$ 5.163,12
14.544,46	16.906,35	$ 4.514,07
16.906,35	19.268,24	$ 4.274,82
19.268,24	21.630,14	$ 4.182,09

GOLD

Min	Max	USD
USD 1.070,52	USD 1.351,13	$ 4.668,55
USD 1.351,13	USD 1.631,74	$ 5.130,67
USD 1.631,74	USD 1.912,35	$ 5.268,35
USD 1.912,35	USD 2.192,96	$ 4.114,02
USD 2.192,96	USD 2.473,57	$ 4.156,07
USD 2.473,57	USD 2.754,18	$ 4.289,15
USD 2.754,18	USD 3.034,79	$ 4.133,46
USD 3.034,79	USD 3.315,40	$ 4.209,74

NYSE

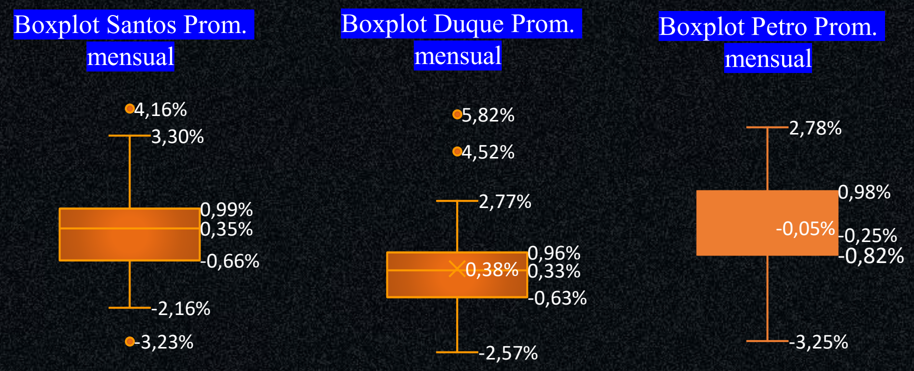
Min	Max	USD
8.753,17	10.163,95	$ 5.330,64
10.163,95	11.574,74	$ 5.654,52
11.574,74	12.985,52	$ 5.421,57
12.985,52	14.396,31	$ 5.729,54
14.396,31	15.807,09	$ 4.904,61
15.807,09	17.217,88	$ 4.114,78
17.217,88	18.628,66	$ 4.274,82
18.628,66	20.039,45	$ 4.182,09

S&P500

Min	Max	USD
1.479,21	2.049,83	$ 5.330,64
2.049,83	2.620,46	$ 4.642,81
2.620,46	3.191,09	$ 5.582,32
3.191,09	3.761,72	$ 5.729,54
3.761,72	4.332,34	$ 5.089,46
4.332,34	4.902,97	$ 4.114,78
4.902,97	5.473,60	$ 4.274,82
5.473,60	6.044,23	$ 4.182,09

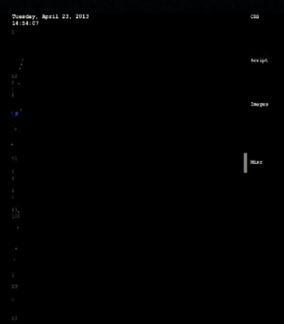
BOXPLOT LAST 3 GOVERNMENTS

June 2025



CONDITIONAL PROB

USD	⬆
MARKET INDEX	⬇
PROBABILITY	50,6%



00000015

S & P 500	BB+ = Grado NO inversión especulativo
FITCH	BB+ = Grado NO inversión especulativo
MOODY´s	Baa2 = Grado medio superior

YIELD BONDS 10 Y EEUU:	4,40%
YIELD BONDS 10Y COL:	12.41%
PREMIUM COL:	8,01(%)

CDS 5y COL:	277,53 bps
FISCAL DEFICIT 24 (% of GDP):	6.8%
BUDGET DEFCIIT 25 (% of GDP):	5,6%

Fixed Exchange rate (1931 -1967):	2,25%
Mini-Devaluations (1697 – 1991):	10,20%
Crawling Bands:	16,8%
Floating Exchange rate (> 1999) :	20,9%

USD HISTORICAL SEASONAL FACTOR 14y

June 2025

Mes	2.013	2.014	2.015	2.016	2.017	2.018	2.019	2.020	2.021	2.022	2.023	2.024	2.025	Prom
January	0,95	0,98	0,87	1,07	1,00	0,97	0,96	0,89	0,93	0,94	1,09	0,96	1,02	0,97
February	0,96	1,02	0,88	1,10	0,98	0,97	0,95	0,92	0,95	0,92	1,11	0,97	0,98	0,98
March	0,97	1,01	0,94	1,02	1,00	0,96	0,96	1,05	0,97	0,89	1,10	0,96	0,99	0,99
April	0,98	0,97	0,91	0,98	0,98	0,94	0,96	1,07	0,98	0,89	1,05	0,95	1,02	0,97
May	0,99	0,96	0,89	0,98	0,99	0,97	1,01	1,04	1,00	0,94	1,05	0,95	1,00	0,98
June	1,02	0,94	0,93	0,98	1,00	0,98	0,99	1,00	0,99	0,93	0,97	1,00	0,99	0,98
July	1,02	0,93	1,00	0,97	1,03	0,97	0,98	0,99	1,02	1,03	0,94	0,99	0,99	0,99
August	1,02	0,95	1,10	0,97	1,01	1,00	1,04	1,02	1,04	1,02	0,94	1,00	1,01	1,01
September	1,03	0,99	1,12	0,96	0,99	1,02	1,04	1,01	1,02	1,04	0,93	1,03	1,01	1,01
October	1,01	1,02	1,06	0,96	1,00	1,05	1,05	1,03	1,01	1,11	0,98	1,05	1,03	1,03
November	1,03	1,07	1,10	1,02	1,02	1,08	1,04	0,99	1,04	1,16	0,93	1,08	1,05	1,05
December	1,03	1,17	1,18	0,99	1,01	1,09	1,03	0,93	1,06	1,13	0,91	1,08	1,05	1,05

Times	January	February	March	April	May	June	July	August	September	October	November	December
< Average	10	10	9	10	10	10	9	3	4	2	2	3
➢ Average	3	3	4	3	3	3	4	10	9	11	11	10

SYSTEMATIC RISK

Brent	-0,13
MCSI Colcap	-0,23
NYSE	-0,33
Nasdaq	-0,18
S&P 500	-0,27
Dow Jones	-0,27
Wilshire 5000	-0,23

OPTIMAL DISTRIBUTION

Brent	3,30%
Gold	36,90%
USD	63,10%
EUR	0,00%
GBP	0,00%
JPY	0,00%
CNY	0,00%

EUR/USD 14y

June 2025

Month	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
January	1,33	1,36	1,16	1,09	1,06	1,22	1,14	1,11	1,22	1,13	1,08	1,09	1,03
February	1,34	1,37	1,13	1,11	1,06	1,23	1,14	1,09	1,21	1,13	1,07	1,08	1,04
March	1,30	1,38	1,08	1,11	1,07	1,23	1,13	1,10	1,19	1,10	1,07	1,09	1,08
April	1,30	1,38	1,08	1,13	1,07	1,23	1,12	1,09	1,20	1,08	1,10	1,07	1,12
May	1,30	1,37	1,12	1,13	1,11	1,18	1,12	1,09	1,21	1,06	1,09	1,08	1,13
June	1,32	1,36	1,12	1,12	1,12	1,17	1,13	1,12	1,20	1,06	1,08	1,08	1,13
July	1,31	1,35	1,10	1,11	1,15	1,17	1,12	1,14	1,18	1,02	1,11	1,08	
August	1,33	1,33	1,11	1,12	1,18	1,15	1,11	1,18	1,18	1,01	1,09	1,10	
September	1,34	1,29	1,12	1,12	1,19	1,17	1,10	1,18	1,18	0,99	1,07	1,11	
October	1,36	1,27	1,12	1,10	1,18	1,15	1,10	1,18	1,16	0,98	1,06	1,09	
November	1,35	1,25	1,07	1,08	1,17	1,14	1,10	1,18	1,14	1,02	1,08	1,06	
December	1,37	1,23	1,09	1,05	1,18	1,14	1,11	1,22	1,13	1,06	1,09	1,05	
Average	**1,33**	**1,33**	**1,11**	**1,11**	**1,13**	**1,18**	**1,12**	**1,14**	**1,18**	**1,05**	**1,08**	**1,08**	**1,07**

PEARSON CORRELATION COEFFICIENTS

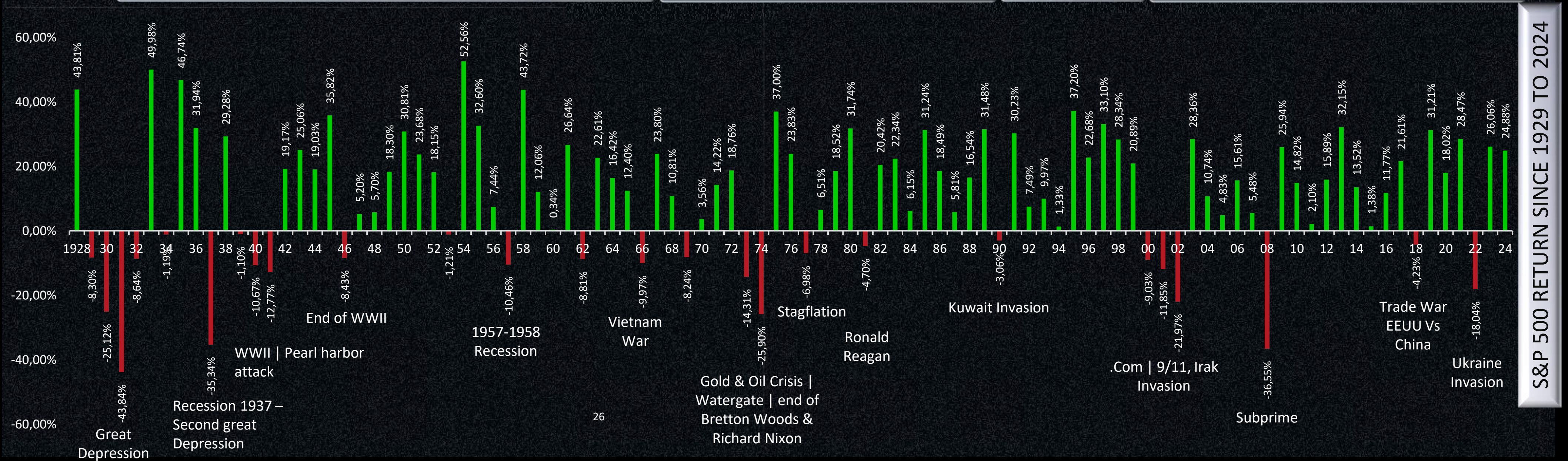
	BRENT	GOLD	USD	EUR	GBP	JPY	CNY
BRENT	1,000	0,095	-0,355	-0,331	-0,256	-0,360	-0,317
GOLD	0,095	1,000	-0,157	0,041	0,003	0,073	-0,089
USD	-0,355	-0,157	1,000	0,834	0,777	0,812	0,948
EUR	-0,331	0,020	0,834	1,000	0,853	0,811	0,828
GBP	-0,256	0,003	0,777	0,853	1,000	0,735	0,779
JPY	-0,360	0,073	0,812	0,811	0,735	1,000	0,801
CNY	-0,317	-0,089	0,948	0,828	0,779	0,801	1,000

CONDITIONAL PROB

USD	⬆
MARKET INDEX	⬇
PROBABILITY	50,6%

S & P 500	BB+ = Grado NO inversión especulativo	YIELD BONDS 10 Y EEUU:	4,40%	CDS 5y COL:	277,53 bps	Fixed Exchange rate (1931 -1967):	2,25%
FITCH	BB+ = Grado NO inversión especulativo	YIELD BONDS 10Y COL:	12.41%	FISCAL DEFICIT 24 (% of GDP):	6.8%	Mini-Devaluations (1697 – 1991):	10,20%
MOODY´s	Baa2 = Grado medio superior	PREMIUM COL:	8,01(%)	BUDGET DEFCIIT 25 (% of GDP):	5,6%	Crawling Bands:	16,8%
						Floating Exchange rate (> 1999) :	20,9%

COLOMBIAN EXCHANGE RATE REGIME



SYSTEMATIC RISK

Brent	-0,13
MCSI Colcap	-0,23
NYSE	-0,33
Nasdaq	-0,18
S&P 500	-0,27
Dow Jones	-0,27
Wilshire 5000	-0,23

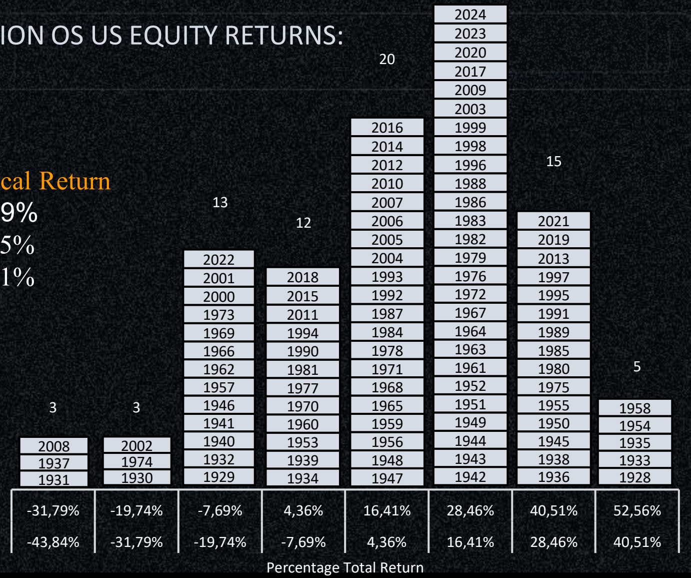
OPTIMAL DISTRIBUTION

Brent	3,30%
Gold	36,90%
USD	63,10%
EUR	0,00%
GBP	0,00%
JPY	0,00%
CNY	0,00%

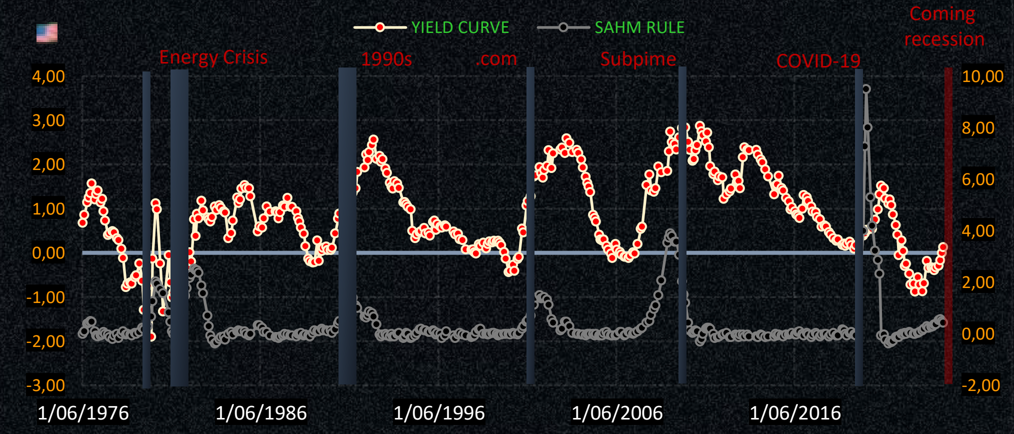
PYRAMID DISTRIBUTION OS US EQUITY RETURNS: 1929-2024

Arithmetic Average Historical Return

1928-2024	11,79%
1975-2024	13,55%
2015-2024	14,11%



RECCESION MODELS



CONDITIONAL PROB

USD	↑
MARKET INDEX	↓
PROBABILITY	50,6%

00000015