

DOCUMENTACION PROYECTO STOCK MARKET TRACKER CON GOOGLE SHEETS

He creado un rastreador dinámico de mercado de acciones en Google Sheets utilizando la función `=GOOGLEFINANCE` para obtener datos en tiempo real sobre acciones. Esto te permite monitorear métricas clave y analizar el rendimiento de las acciones de manera eficiente. Aquí tienes un resumen de lo que incluye este rastreador:

I've created a dynamic stock market tracker in Google Sheets using the `=GOOGLEFINANCE` function to pull real-time data on stocks. This allows you to monitor key metrics and analyze stock performance efficiently. Here's a breakdown of what this tracker includes:

Información dinámica de las acciones:

- Símbolo de la acción: El símbolo o ticker de la acción.
- Precio: Precio actual de la acción.
- Nombre: El nombre de la empresa.
- CambioPct: Porcentaje de cambio en el precio de la acción.
- Volumen: El volumen de acciones negociadas.

Dynamic Stock Information:

- **Stock Symbol: The stock ticker symbol.**
- **Price: Current stock price.**
- **Name: The company name.**
- **ChangePct: Percentage change in stock price.**
- **Volume: The volume of shares traded.**

Gráficos y cálculos adicionales:

- Tendencia de 1 año: Representación gráfica de la tendencia del precio de la acción en el último año.
- Cambio de precio en 1 año: Muestra cuánto ha cambiado el precio de la acción en el último año.
- Capitalización bursátil (Market Cap): El valor de mercado de la empresa, que da una idea de su tamaño.
- Ratio P/E: El ratio precio-beneficio, útil para evaluar la valoración de la acción.

Additional Graphs and Calculations:

- **1Y Trend: A graphical representation of the stock's price trend over the past year.**
- **1Y Price Change: Shows how much the stock price has changed over the last year.**
- **Market Cap: The market capitalization of the company, giving you an idea of the company's size.**

- **P/E Ratio: The price-to-earnings ratio, useful for evaluating the stock's valuation.**

Cálculo del valor justo (Fair Value):

Utilizando el EPS (beneficio por acción) y el P/E Ratio, calculé el Fair Value de la acción, lo que proporciona una estimación del valor intrínseco de la acción.

Fair Value Calculation:

Using EPS (Earnings Per Share) and the P/E Ratio, I calculated the Fair Value of the stock, which gives an estimate of the stock's intrinsic value.

Modelo de Flujo de Caja Descontado (DCF):

Para calcular el Fair Value usando el método DCF, recopilé datos adicionales sobre el Flujo de Caja Libre (FCF) y el Costo Promedio Ponderado de Capital (WACC) de la empresa. Luego proyecté los flujos de caja futuros y calculé el Valor Terminal, que fue descontado a valor presente para obtener una estimación más completa del valor justo.

Discounted Cash Flow (DCF) Model:

To calculate the Fair Value using the DCF method, I gathered additional data on the company's Free Cash Flow (FCF) and Weighted Average Cost of Capital (WACC). I then projected future cash flows and calculated the Terminal Value, which was discounted to present value to obtain a more comprehensive fair value estimate.

Columnas adicionales:

Las siguientes columnas proporcionan información adicional sobre el rendimiento de la acción y su perspectiva futura:

- Precio hace 5 años: Precio histórico de la acción hace 5 años.
- CAGR: Tasa de crecimiento anual compuesta, que muestra el crecimiento anual de la acción a lo largo del tiempo.
- Tasa de crecimiento perpetua: La tasa de crecimiento a largo plazo asumida para las proyecciones de flujos de caja futuros.
- FCF futuro (Años 1-5): Proyecciones de flujo de caja libre para los próximos cinco años.
- Valor Terminal: Valor estimado de la empresa al final del periodo de proyección.
- Valor terminal descontado a valor presente: El valor terminal descontado al valor presente.
- Valor justo (Fair Value) FCF: El valor justo de la acción basado en los flujos de caja futuros descontados.
- Número de acciones en circulación: Utilizado para calcular el valor justo por acción.

Extra Columns:

The following columns provide further insight into the stock's performance and future outlook:

- **Price 5 Years Ago: Historical stock price from 5 years ago.**
- **CAGR: Compound Annual Growth Rate, showing the stock's annual growth over a period of time.**
- **Perpetual Growth Rate: The long-term growth rate assumed for future cash flow projections.**
- **Future FCF (Years 1-5): Projected free cash flows for the next five years.**
- **Terminal Value: The estimated value of the company at the end of the forecast period.**
- **Discount Terminal Value to Present Value: The terminal value discounted to today's value.**
- **Fair Value FCF: The stock's fair value based on discounted future free cash flows.**
- **Number of Shares Outstanding: Used to calculate the fair value per share.**

Este rastreador de acciones proporciona una visión integral del rendimiento de las acciones, ayudando a los usuarios a evaluar fácilmente las condiciones actuales del mercado, valorar las acciones a largo plazo y tomar decisiones de inversión informadas.

This stock tracker provides a comprehensive view of stock performance, helping users easily assess current market conditions, evaluate long-term stock value, and make informed investment decisions.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Stock	Price	Name	ChangePct	Volume	1 Y Trend	1Y Price change	Marketcap	EPS (TTM)	P / E RATIO	FAIR VALUE P/E	FCF	Price 5 years Ago	Compound Annual Growth Rate (CAGR)
3	LI	\$27.35	Li Auto Inc	+1.02%	2.64M		-6.55	\$29,626,778,513	1.40	20.26	\$28.36	-\$22,620,357,670	16.46	0.11
4	CVS	\$56.61	CVS Health Corp	-0.30%	3.18M		-11.92	\$71,226,769,636	5.49	10.88	\$55.34	\$5,273,000,000	65.88	-0.03
5	NIO	\$4.99	Nio Inc - ADR	-1.13%	28.57M		-2.61	\$10,414,972,832	-1.56	-2.90	\$4.52	-\$15,722,317,000	1.48	0.28
6	SOFI	\$10.89	SoFi Technologies Inc	+4.46%	42.24M		3.81	\$11,560,173,889	-0.22	-59.31	\$13.05	-\$2,821,229,000	10.48	0.01
7	PFE	\$28.67	Pfizer Inc	-0.68%	7.78M		-2.86	\$162,209,115,750	-0.46	21.64	-\$9.95	\$4,810,000,000	35.32	-0.04
8	ULTA	\$367.01	Ulta Beauty Inc	-	0.29M		-10.97	\$17,311,364,898	24.84	14.75	\$363.44	\$989,517,000	241.74	0.09
9	SNOW	\$114.00	Snowflake Inc	+0.34%	0.91M		-28.4	\$38,360,277,374	-2.96	-38.90	\$115.14	\$815,862,000	253.93	-0.15
10	JD	\$39.21	JD Com Inc	-1.98%	4.23M		14.09	\$63,771,848,678	2.84	14.06	\$39.93	\$54,025,000,000	31.73	0.04
11	VALE	\$10.39	Vale SA	-0.14%	7.45M		-2.33	\$47,198,572,580	2.26	5.20	\$11.75	\$6,137,000,000	12.23	-0.03
12	INTC	\$22.00	Intel Corp	+0.09%	16.38M		-10.83	\$94,108,686,382	0.24	99.08	\$23.78	-\$12,584,000,000	56.76	-0.17
13	TLT	\$92.65	iShares 20+ Year Treasury Bond ETF	+0.63%	15.81M		9.2	\$11,562,358,374	-	-	-	-	137.26	-0.08
14	WBA	\$9.46	Walgreens Boots Alliance Inc	+1.12%	6.33M		-12.21	\$8,209,539,265	-0.32	-1.84	\$9.69	-\$363,000,000	55.8	-0.38
15	DG	\$80.87	Dollar General Corp	-0.21%	0.67M		-38.6	\$17,810,931,578	6.43	12.58	\$80.89	\$1,689,836,000	162.64	-0.38
16	OXY	\$51.21	Occidental Petroleum Corp	-0.10%	3.00M		-12.06	\$47,937,135,568	3.88	12.68	\$48.89	\$4,053,000,000	42.28	0.14
17	NKE	\$79.15	Nike Inc	-1.11%	2.66M		-24.39	\$117,739,952,228	3.48	22.69	\$78.96	\$7,210,000,000	90.85	-0.03
18	BABA	\$95.90	Alibaba Group Holding Ltd - ADR	-2.14%	7.72M		14.87	\$229,822,182,647	3.92	24.69	\$96.78	\$137,994,000,000	178.68	-0.12
19	NTES	\$78.52	NetEase Inc	-1.91%	0.43M		-26.39	\$50,573,413,578	6.22	12.61	\$78.43	\$34,576,557,000	56.73	0.07
20	GOOG	\$164.38	Alphabet Inc Class C	-0.06%	5.92M		37.31	\$169,193,851,642	7.01	23.64	\$165.72	\$60,787,000,000	64.5	0.21
21	PDD	\$121.86	PDD Holdings Inc - ADR	-0.40%	2.69M		14.77	\$21,016,284,711.5	9.74	12.91	\$125.74	\$133,704,468,000	42.58	0.23

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Stock	Ind Rate	Discount Rate (WACC)	Perpetual Growth Rate	Future FCF Year 1	Future FCF Year 2	Future FCF Year 3	Future FCF Year 4	Future FCF Year 5	Company Value	Terminal Value	Discount Terminal Value to Present Value	Fair Value FCF	Number of Shares Outstanding												
3	LI	0.11	0.14	0.03	\$19,842,419,009	\$17,405,630,709	\$15,268,897,114	\$13,393,067,643	\$11,748,384,950	\$77,657,519,426	\$188,502,980,583	\$97,902,541,253	\$175,560,060,679	1,083,246,015.10												
4	CVS	-0.03	0.04	0.03	\$5,070,192,388	\$4,875,184,911	\$4,687,677,799	\$4,507,382,499	\$4,334,021,634	\$23,474,459,151	\$263,650,000,000	\$216,701,081,699	\$240,175,540,849	1,258,201,194.77												
5	NIO	0.28	0.08	0.02	\$14,617,252,696	\$13,589,859,331	\$12,634,677,697	\$11,746,632,295	\$10,921,004,365	\$63,508,426,384	\$282,775,485,612	\$196,420,941,823	\$259,930,368,207	\$2,087,168,904.21												
6	SOFI	0.01	0.18	0.03	\$2,390,872,034	\$2,026,162,741	\$1,717,087,068	\$1,455,158,532	\$1,231,185,197	\$8,822,465,572	\$102,881,681,250	\$77,407,707,481	\$16,529,873,053	\$1,061,540,294.67												
7	PFE	-0.04	0.06	0.03	\$4,537,735,849	\$4,280,882,876	\$4,038,568,751	\$3,809,970,520	\$3,594,311,811	\$20,261,469,809	\$120,250,000,000	\$89,857,795,287	\$110,119,265,096	\$5,657,799,642.48												
8	ULTA	0.09	0.08	0.02	\$916,219,444	\$848,351,337	\$785,510,498	\$727,324,535	\$673,448,643	\$3,950,854,458	\$16,491,950,000	\$11,224,144,056	\$15,174,998,514	\$47,168,646.35												
9	SNOW	-0.15	0.08	0.03	\$755,427,778	\$699,470,165	\$647,657,568	\$599,682,926	\$555,261,968	\$3,257,500,396	\$13,597,700,000	\$9,254,366,138	\$12,511,866,535	\$336,493,661.18												
10	JD	0.04	0.06	0.03	\$50,966,981,132	\$48,082,057,672	\$45,360,431,766	\$42,792,860,156	\$40,378,622,789	\$227,572,953,515	\$1,350,625,000,000	\$1,009,265,569,727	\$1,236,838,523,242	\$1,626,417,767.87												
11	VALE	-0.03	0.08	0.03	\$5,682,407,407	\$5,261,488,340	\$4,871,748,463	\$4,510,878,207	\$4,176,739,080	\$24,503,261,498	\$102,823,333,333	\$60,612,318,003	\$94,156,579,501	\$4,542,692,252.17												
12	INTC	-0.17	0.09	0.03	\$11,544,954,128	\$10,591,701,035	\$9,717,156,913	\$8,914,822,856	\$8,178,736,565	\$48,947,371,498	\$179,771,428,571	\$116,839,093,788	\$165,786,465,286	\$4,277,667,559.18												
13	TLT	-0.08	0.03	0.03	!VALUE!	!VALUE!	!VALUE!	!VALUE!	!VALUE!	!VALUE!	!VALUE!	!VALUE!	!VALUE!	\$124,706,096.86												
14	WBA	-0.30	0.03	0.03	\$352,427,184	\$342,162,315	\$332,196,422	\$322,520,798	\$313,126,989	\$1,662,433,709	\$36,300,000,000	\$31,312,698,873	\$32,975,132,582	\$867,815,989.96												
15	DG	-0.13	0.04	0.03	\$1,624,842,308	\$1,562,348,373	\$1,502,258,951	\$1,444,748,895	\$1,388,922,014	\$7,572,840,641	\$84,491,800,000	\$69,446,100,719	\$78,068,950,359	\$220,241,518.21												
16	OXY	0.03	0.06	0.03	\$3,823,584,906	\$3,402,976,954	\$3,087,976,954	\$2,810,355,617	\$2,588,637,375	\$17,072,710,423	\$101,625,000,000	\$75,715,934,366	\$92,788,644,789	\$90,096,080.19												
17	NKE	-0.03	0.10	0.03	\$6,554,545,455	\$5,958,677,686	\$5,416,979,715	\$4,924,527,013	\$4,476,842,739	\$27,331,572,607	\$90,125,000,000	\$55,960,534,241	\$83,292,106,848	\$1,487,564,671.23												
18	BABA	-0.12	0.07	0.03	\$128,966,355,140	\$120,529,383,869	\$112,644,209,224	\$105,274,961,891	\$98,387,814,852	\$655,802,644,976	\$2,759,880,000,000	\$1,967,756,297,033	\$2,533,558,942,010	\$2,396,477,398.86												
19	NTES	0.07	0.08	0.02	\$32,015,330,556	\$29,643,824,588	\$27,447,985,738	\$25,414,801,662	\$23,532,223,705	\$138,054,166,182	\$576,275,950,000	\$392,203,728,425	\$530,257,													