	Win Probability		99999 #DIV/0!	The Kelly Criterion is a formula used to determine the optimal size of a series of bets to maximize
1.2		0.9816666667		growth of capital while minimizing the risk of ruin. The formula is:
1.0	0.5			$f = \frac{bp - q}{b}$
				j – b
				Where:
				• f = Fraction of the bankroll to wager
				 b = Odds received on the bet (in decimal format; e.g., 2.5 for +150 odds)
				 p = Probability of winning (as a decimal; e.g., 0.6 for 60%)
				• q = Probability of losing, which is $1-p$
				Steps to Implement in Google Sheets:
				1. Set Up Columns:
				 Column A: "Odds" (b)
				Column B: "Win Probability" (p)
				Column C: "Kelly Fraction" (f)
				Steps to Implement in Google Sheets:
				1. Set Up Columns:
				Column A: "Odds" (b)
				Column B: "Win Probability" (p)
				Column C: "Kelly Fraction" (f)
				2. Enter the Formula: In Cell C2, enter the following formula:
				scss Ø Copy o
				3.635 CF COP) C
				=IF(A2*(B2)-(1-B2)/A2>0, (A2*B2 - (1-B2)) / A2, 0)
				• A2: Odds
				B2: Win probability
				3. Interpretation:
				 If the Kelly fraction (f) is positive, it indicates the fraction of your bankroll to bet.
				 If f is 0 or negative, the bet is unfavorable, and you should not bet.
				4. Example:
				 Odds (b): 2.5
				Win Probability (p): 0.6
				• Kelly Fraction (f):= $(2.5*0.6-(1-0.6))/2.5=0.2$ (Bet 20% of your bankroll)
				This setup calculates the Kelly Criterion for any bet by entering the odds and the win probability
				their respective columns.

	Kelly Betting Expectancy Formula				Trade Ca	alculator	
	From video with Daniel Jassy (Spider Crusher):	https://youtu.be/dAMsKv1Y9hA?t=54					
					1 Bitcoin =	\$578.00	
Annotation:	(\$250 when right * 32%) + (-\$100 * 68% wrong)						
	Bank Roll	\$10,000.00)		Stop Loss Price	\$582.17	
	Percent of BR used per trade				Closed P&L	\$1.22	
	Probability	0.32	2		Open Price	\$580.95	
	Capital at Risk	\$100.00)		Trade Size	\$5,685.25	₿9.84
	Risk Reward Ratio	2.5	to	1	Long		
					Short	-\$11.94	
	Average *expected* return per trade	\$12.00)				
	If everytime we trade we force ourselves to trade 2.5 to 1 come hell or high water one thousand times we should *expect* make on average:	\$12,000.00)		should be based on the "Percent Bankrol	The trade calculator tells you how much your trade size should be based on your risk profile you specified to the left in the "Percent Bankroll used". Only adjust the cells that are green. Enter the Open Price, Stop Loss Price and Closed P&L from the Risk Reward Tool in Tradingview. Your trade size is displayed in Bold in both Fiat and Bitcoin equivilent. Remember to update the Bitcoin price above. Long and Short will light up automatically.	
	In this document you can set the parameters in column C to suit your individual needs. Remember it only gives you an expectation of return over time. This document is for informational purposes				Enter the Open Price the Risk Reward Too displayed in Bold in I Remember to update		
	only! It is not intended as financial advice. You are not being instructed to trade based on the information presented on this spread sheet. Use at your own risk.				will light up automati		

Enter Your Hit Rate ==>>>	35	
This is your Kelly Wager	7240.00%	

0.139			Over	it Sheet /Under gering
	Enter Your Hit Rate	59%	Hit	Kelly
	==>>>	J9 /0	Rate	Wager
			55.00%	5.50%
	This is your Kelly Wager	13.90%	55.50%	6.55%
			56.00%	7.60%
			56.50%	8.65%
			57.00%	9.70%
	Dangers of Over Betting		57.50%	10.75%
	http://www.drbobsports.com/essays.cfm?p=5		58.00%	11.80%
			58.50%	12.85%
			59.00%	13.90%
	What is a Kelly Wager?	59.50%	14.95%	
		60.00%	16.00%	
	It represents the percentage	•	60.50%	17.05%
	bankroll that should be wag	ered per	61.00%	18.10%
	bet.		61.50%	19.15%
			62.00%	20.20%
	It is the theoretical optimum	62.50%	21.25%	
	will maximize the expected	63.00%	22.30%	
	growth, given a consistent a	63.50%	23.35%	
	accurate historical hit rate.		64.00%	24.40%
	IN THE LONG BUILDING HOLD	64.50%	25.45%	
	IN THE LONG RUNThe K	65.00%	26.50%	
	Criterion betting strategy wi		65.50%	27.55%
			66.00%	28.60%
			66.50%	29.65%
			67.00%	30.70%
			67.50%	31.75%
			68.00%	32.80%
			68.50%	33.85%
			69.00%	34.90%
			69.50%	35.95%
			70.00%	37.00%
			70.50%	38.05%
			71.00%	39.10%
			71.50%	40.15%

		72.00%	41.20%
		72.50%	42.25%
		73.00%	43.30%
		73.50%	44.35%
		74.00%	45.40%
		74.50%	46.45%
		75.00%	47.50%
		75.50%	48.55%
		76.00%	49.60%
		76.50%	50.65%
		77.00%	51.70%
		77.50%	52.75%
		78.00%	53.80%
		78.50%	54.85%
		79.00%	55.90%
		79.50%	56.95%
		80.00%	58.00%

Hit Rate	Kelly Wager		
55.00%	5.50%		
55.50%	6.55%		
56.00%	7.60%		
56.50%	8.65%		
57.00%	9.70%		
57.50%	10.75%		
58.00%	11.80%		
58.50%	12.85%		
59.00%	13.90%	Hit Rate %	Kelly Wager %
59.50%	14.95%		33 1
60.00%	16.00%		62 2
60.50%	17.05%		67 3
61.00%	18.10%		
61.50%	19.15%		80 6
62.00%	20.20%		
62.50%	21.25%		
63.00%	22.30%		
63.50%	23.35%		
64.00%	24.40%		
64.50%	25.45%		
65.00%	26.50%		
65.50%	27.55%		
66.00%	28.60%		
66.50%	29.65%		
67.00%	30.70%		
67.50%	31.75%		
68.00%	32.80%		
68.50%	33.85%		
69.00%	34.90%		
69.50%	35.95%		
70.00%	37.00%		
70.50%	38.05%		
71.00%	39.10%		
71.50%	40.15%		
72.00%	41.20%		
72.50%	42.25%		
73.00%	43.30%		
73.50%	44.35%		
74.00%	45.40%		
74.50%	46.45%		
75.00%	47.50%		
75.50%	48.55%		
76.00%	49.60%		
76.50%	50.65%		
77.00%	51.70%		
77.50%	52.75%		
78.00%	53.80%		
78.50%	54.85%		
79.00%	55.90%		
79.50%	56.95%		
80.00%	58.00%		