WHAT'S AVERAGE: THE AVERAGE OF THE YEARS vs. THE COMPOUNDED AVERAGE

(Compounded Returns Are Adversely Affected By Negative Years And Volatility)

SIMPLE ANNUAL CHANGES											AVERAGE	
	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	_	
1900	7%	-9%	0%	-24%	42%	38%	-2%	-38%	47%	15%		
1910	-18%	0%	8%	-10%	-31%	82%	-4%	-22%	11%	30%		
1920	-33%	13%	22%	-3%	26%	30%	0%	29%	48%	-17%		
1930	-34%	-53%	-23%	67%	4%	39%	25%	-33%	28%	-3%		
1940	-13%	-15%	8%	14%	12%	27%	-8%	2%	-2%	13%		
1950	18%	14%	8%	-4%	44%	21%	2%	-13%	34%	16%	\geq	Avg = (7.4%)
1960	-9%	19%	-11%	17%	15%	11%	-19%	15%	4%	-15%	(
1970	5%	6%	15%	-17%	-28%	38%	18%	-17%	-3%	4%		
1980	15%	-9%	20%	20%	-4%	28%	23%	2%	12%	27%		
1990	-4%	20%	4%	14%	2%	33%	26%	23%	16%	25%		
2000	-6%	-7%	-17%	25%	3%	-1%	16%	6%	-34%	19%		
2010	11%	6%	7%	26%	8%	-2%	13%	25%				

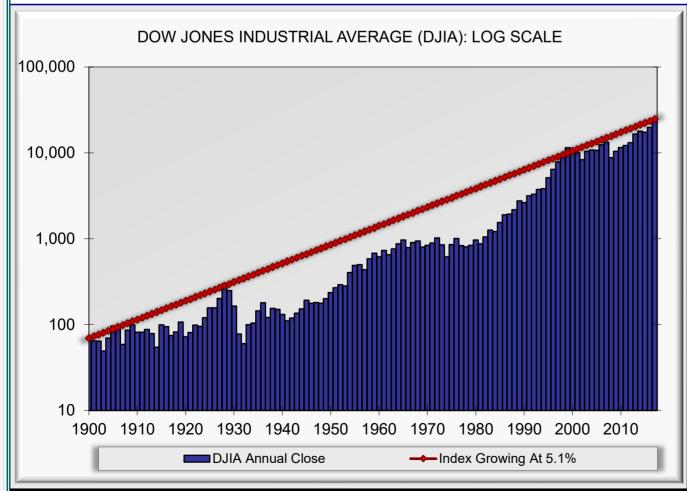
COMPOUNDED ANNUAL CHANGE

01/01/1900 12/31/2017

Start 66.08

End 24,719.22 Years 118 AVERAGE

$$\longrightarrow$$
 Avg = $\left(5.1\%\right)$



Compounded Return	5.000%	4.997%	4.949%	4.419%	3.714%	2.361%
Simple Avg. Return	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%
Year 3	5.0%	6.0%	1.0%	10.0%	5.0%	10.0%
Year 2	5.0%	5.0%	5.0%	-10.0%	-15.0%	-25.0%
Year 1	5.0%	4.0%	9.0%	15.0%	25.0%	30.0%
	A	B	C	D	E	F
	CASE	CASE	CASE	CASE	CASE	CASE

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