TESLA: IT'S A STORY STOCK, BUT WHAT THE (YOUR) STORY?

The power of the story

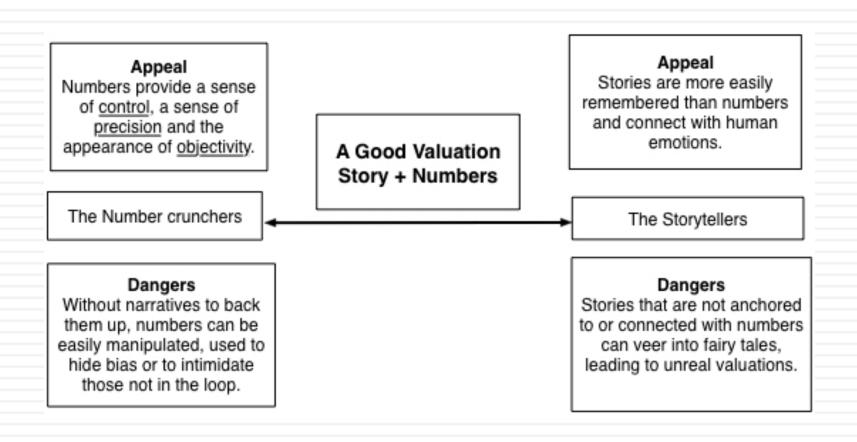
The Resilient Stock

Bad news 1: Delivery shortfalls



Bad news 2: Fatality of driver using Tesla Auto Pilot Bad news 3: Tesla buys Solar City

Value: Story + Numbers



A Story Stock

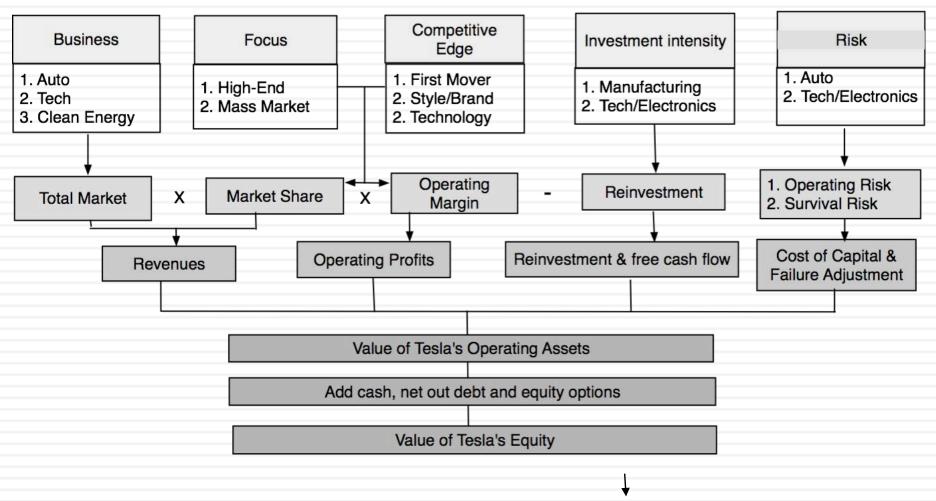
+ Narrator Young company Big Market Story Stock Founder or Value comes Going after a CEO is a mosity from large market, growth potential & master aiming to be a storyteller possilbilities big player

The Story Stock Effect

- Story changes and information: it is shifts in the story that cause price and value changes. An earnings report that beats expectations (in either direction) or a news story of significance (good or bad) may not have any effect on either (value or price) if it does not change the story.
- Wider disagreements: When a company's value is driven primarily by numbers, there is less room for disagreement. In contrast, with a story stock, investor stories can span a much wider spectrum, leading to a much bigger range in values, as illustrated with Uber in this post.

The Tesla Story: The Choices

The Tesla Story Choices



Tesla

The Story

Tesla is a high-end automobile company, withprimary competitive edges coming from being a first mover in the electric car market, styling and brand power and a secondary advantage from its technology. Its investment and risk characteristics will resemble an auto company more than a tech company.

					tech	comp	oany.				
	40			~	The A	ssump	otions				
	Ва	ise year	Years 1-5 Years 6-10		rs 6-10			After year 10		Link to story	
Revenues (a)	\$	1,329	70.00%	25%->2.75%				2.75%		High-end auto: Revenues like Volvo	
Operating margin (b)		-7.46%	-7.46%	12	50%			12.50%		High-end auto operating margin	
Tax rate	3	0.00%	0.00%	>30	0.00%				30.00%	Global marginal tax rate average	
Reinvestment (c)			Sales to capital ratio	: 1.41			RIR =	34.38%		Invest more like an auto than tech fir	m
Return on capital	-	-6.03%	Marginal ROIC =	18.21%				8.00%		In maturity,, no excess returns (like a	uto)
Cost of capital (d)			10.03%	8	.00%				8.00%	70% auto, 30% tech	
					The C	ash F	lows				
Revenues C			Operating Margin	EBIT	_	EBIT (1-t)		Reinvestment		FCFF	
1	\$	2,259	-5.47%	\$	(124)	\$	(124)	\$	660		(783)
2	\$	3,840	-3.47%	\$	(133)	\$	(133)	\$	1,121	\$ (1,	,255)
3	\$	6,528	-1.48%	\$	(96)	\$	(96)	\$	1,906		,003)
4	\$	11,097	0.52%	\$	58	\$	58	\$	3,241		,183)
5	\$	18,866	2.52%	\$	475	\$	475	\$	5,509	\$ (5,	,034)
6	\$	29,534	4.51%	\$	1,333	\$	1,307	\$	7,566	\$ (6,	,260)
7	\$	42,263	6.51%	\$	2,752	\$	2,421	\$	9,028		,606)
8	\$	54,794	8.51%	\$	4,661	\$	3,822	\$	8,887	1000	,065)
9	\$	63,671	10.50%	\$	6,688	\$	5,083	\$	6,296	- 200	,213)
10	\$	65,422	12.50%	\$	8,178	\$	5,724	\$	1,242		,483
Terminal year	\$	67,221	12.50%	\$	8,403	\$	5,882	\$	2,022	\$ 3,	,860
					TI	he Val	ue				
Terminal value				\$	73,523						
PV(Terminal value)					29,889						
PV (CF over next 10 years)			\$	(16,628)							
Value of operating assets =			\$	13,261							
Adjustment for distress				\$	663			Pr	obability of failure =	10.00%	
- Debt & Mnority Interests				\$	655						
+ Cash & Other Non-operating assets			\$	202							
Value of equity				\$	12,146						
- Value of equity options				\$	3,645	1.					
Number of shares				Ś	121.45						
Value per share	Value per share							St	tock was trading at =	\$168.76	

Tesla (July 2015)

The Story

Tesla is an auto/tech company looking towards the mass market. Its primary competitive advantage lies in superior technology (electric batteries) with secondary advantages in styling and brand name. In terms of investment needs and risk, it is as much tech as auto company.

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				The A	ssump	otions				
	Base year	Years 1-5	Yea	rs 6-10				After year 10	Link to story	
Revenues (a)	\$ 2,014	65.00%	25%-	->2.75%				2.75%	Mass market push= Revenues of \$80	0 bill
Operating margin (b)	8.51%	8.51%	1:	1.00%				11.00%	Mass market push lowers margin	
Tax rate	30.00%	30.00%	→3(0.00%				30.00%	Global marginal tax rate average	
Reinvestment (c)		Sales to capital ratio				RIR =	34.38%		Invest like an auto/tech company	
Return on capital	8.22% Marginal ROIC =		17.15%					8.00%	In maturity,, no excess returns	
Cost of capital (d)		8.74% 8.00%						8.00%	50% auto, 50% technology	
				The	Cash F	lows				
	Revenues	Operating Margin	EBIT	T EB		EBIT (1-t)		vestment	FCFF	
1	\$ 3,322	8.76%	\$	291	\$	291	\$	844	\$	(553)
2	\$ 5,482	9.01%	\$	494	\$	361	\$	1,393	\$ (1	1,032)
3	\$ 9,045	9.26%	\$	837	\$	586	\$	2,299	\$ (1	1,713)
4	\$ 14,924	9.51%	\$	1,419	\$	993	\$	3,793	\$ (2	2,800)
5	\$ 24,625	9.76%	\$	2,402	\$	1,682	\$	6,258	\$ (4	4,577)
6	\$ 37,565	10.01%	\$	3,758	\$	2,631	\$	8,349	\$ (5	5,718)
7	\$ 52,629	10.25%	\$	5,396	\$	3,778	\$	9,718	\$ (5	5,941)
8	\$ 67,180	10.50%	\$	7,056	\$	4,939	\$	9,388	\$ (4	4,449)
9	\$ 77,392	10.75%	\$	8,321	\$	5,824	\$	6,588	\$	(764
10	\$ 79,520	11.00%	\$	8,747	\$	6,123	\$	1,373	\$	4,750
Terminal year	\$ 81,707	11.00%	\$	8,988	\$	6,291	\$	2,163	\$	4,129
				T	he Val	lue				
Terminal value			\$	78,643						
PV(Terminal value)				34,726						
PV (CF over next 10 years)			\$	(15,070)						
Value of operating assets =			\$	19,656						
Adjustment for distress				51			Pr	obability of failure =	0.00%	
- Debt & Mnority Interests				927						
+ Cash & Other Non-operating assets			\$	846						
Value of equity				19,575						
- Value of equity options				4,381						
Number of shares				123.19						
Value per share			\$	123.34	Stock was trading at = \$220.00					

Tesla (July 2016)

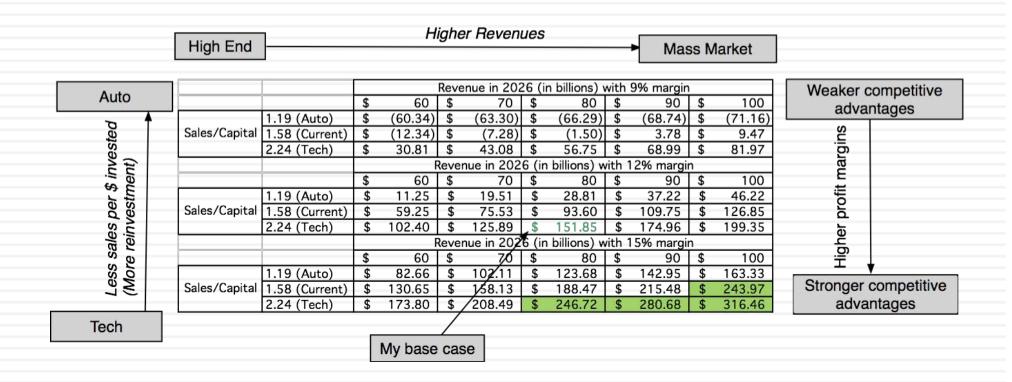
The Story

Tesla is an auto/tech company looking towards the mass market. Its primary competitive advantages lies in superior technology & secondary advantage in styling. In terms of investment needs and risk, it is as much tech as auto company.

brand loyalty with a

	secondary ad	vantage in styling. In	terms of	investment	needs	and risk, it	is as r	much tech as auto compa	nny.
				The	e Assu	mptions			
	Base year	Yea	rs 6-10			After year 10		Link to story	
Revenues (a)	\$ 4,253	50.00%	25%->2.2%				1.47%		Mass market focus = \$80 billion in revenue
Operating margin (b)	-14.15%	-14.15%	12	2.00%				12.00%	Tech superiority & brand = High margins
Tax rate	30.00%	30.00%	→30	0.00%				30.00%	Global marginal tax rate average
Reinvestment (c)						RIR =		16.33%	Invest like an auto/tech company
Return on capital	-13.25%	Marginal ROIC = 30.14%		Ś				9.00%	In maturity,, has tech features
Cost of capital (d)		8.13%	7	.50%	ì			7.50%	50% auto, 50% technology
			A15	Th	e Casi	h Flows	0-		
	Revenues	Operating Margin	EBIT		EBIT	(1-t)	Rein	vestment	FCFF
1	\$ 6,380	-11.54%	\$	(736)	\$	(736)	\$	949	\$ (1,685)
2	\$ 9,570	-8.92%	\$	(854)	\$	(854)	\$	1,424	\$ (2,278)
3	\$ 14,355	-6.31%	\$	(905)	\$	(905)	\$	2,136	\$ (3,041)
4	\$ 21,532	-3.69%	\$	(795)	\$	(795)	\$	3,204	\$ (3,999)
5	\$ 32,298	-1.08%	\$	(347)	\$	(347)	\$	4,806	\$ (5,154)
6	\$ 45,312	1.54%	\$	698	\$	698	\$	5,810	\$ (5,112)
7	\$ 59,172	4.15%	\$	2,458	\$	2,458	\$	6,187	\$ (3,729)
8	\$ 71,528	6.77%	\$	4,842	\$	3,636	\$	5,516	\$ (1,880)
9	\$ 79,522	9.38%	\$	7,463	\$	5,224	\$	3,569	\$ 1,655
10	\$ 80,691	12.00%	\$	9,683	\$	6,778	\$	522	\$ 6,256
Terminal year	\$ 81,877	12.00%	\$	9,825	\$	6,878	\$	1,123	\$ 5,754
					The	Value			
Terminal value			\$	95,428					
PV(Terminal value)	\$	44,454							
PV (CF over next 10 year	\$	(14,963)							
Value of operating asse	\$	29,491							
Adjustment for distress	\$	1,475			Pi	robability of failure =	10.00%		
- Debt & Mnority Inter	\$	3,648							
+ Cash & Other Non-or	\$	1,442							
Value of equity	\$	25,810							
- Value of equity optio	\$	3,446							
Number of shares		147.28							
Value per share				151.85			S	tock was trading at =	\$221.00

Tesla: What if?



Elon Musk: The X Factor

- It is almost impossible to separate Tesla, the company, from Elon Musk, its founder. What you believe about one will drive what you believe about the other.
- If you believe that Musk is a visionary, capable of seeing the world as it will be rather than as it is, and a man who has the brilliance and drive to deliver on that vision, you will find Tesla to be a buy.
- If you believe instead that he is a showman who promises far more than he can deliver, Tesla is a sell.
- There is an intermediate position, where you belive that Musk is a flawed visionary, with the flaws being lack of focus, a thin skin and a disinterest in the nitty gritty of operations. Tesla can be a buy, but only at the right price, and if Musk can find an operating partner.

Tesla: Investment Plays

- The Momentum Play: You can surf the stock, buying it as the story gets bigger and stronger and getting out as the story develops weakness.
- The Short Bet: If you believe that Musk's flaws will overwhelm his strengths, you can sell short and wait for the market to come around to your point of view.
- The Long Bet: If you believe that Musk's strengths are much greater than his weaknesses, you can buy and hold, on the assumption that he will deliver on his promise.