



HISTORICAL EQUITY DATA

BY:

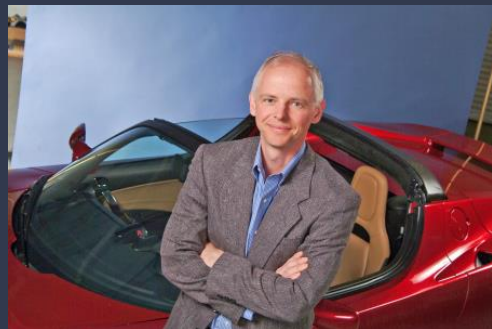
Overview



- 1. Introduction to Tesla**
- 2. Question**
- 3. Stock Performances**
- 4. Price to Earnings Ratio**
- 5. Stockholders' Equity & Tesla's Firm Structure**
- 6. 5 Years Statistical Data of TSLA, GM, and TM**
- 7. Cash Flow Analysis**
- 8. Comprehensive Summary and Analysis**



Martin
Eberhard
(Founder)
2003



Marc
Tarpenning
(Founder)
2003



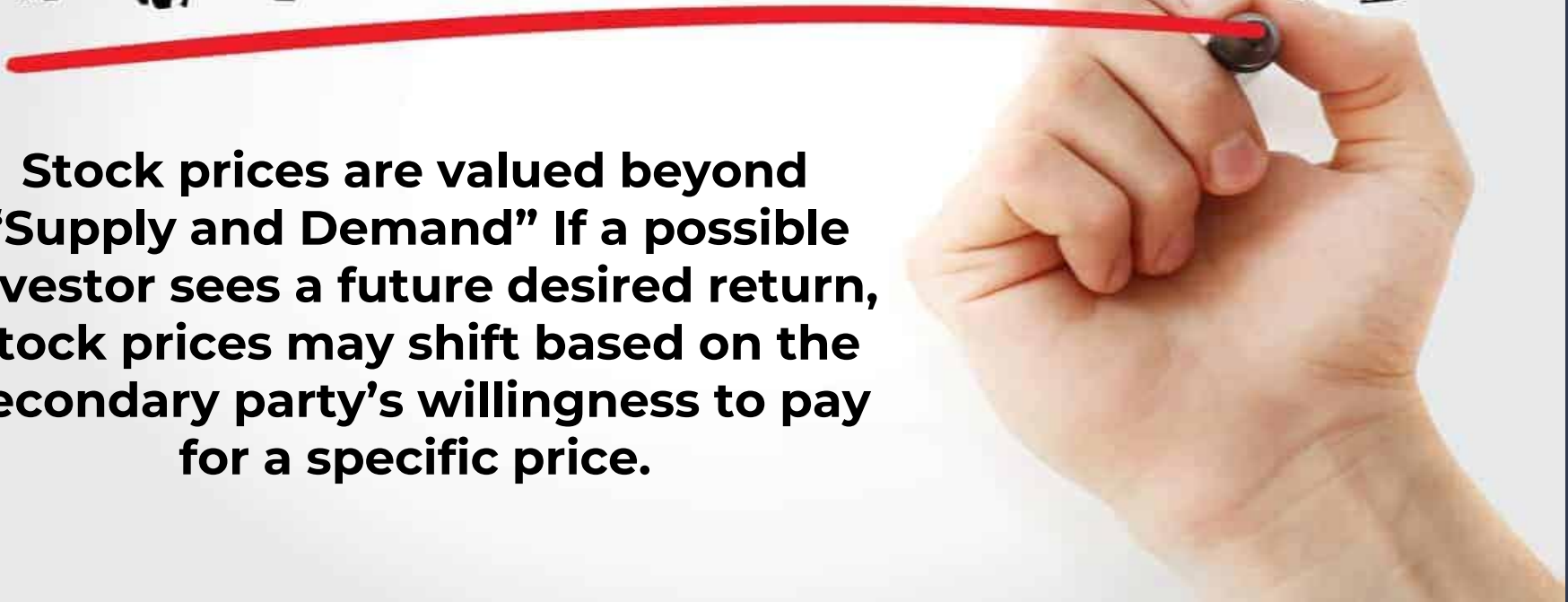
Elon Musk
Joined in
2004



TESLA

1. Founded in 2003
2. In 2004 Elon Musk joined and invested \$6.3 Million
3. IPO - \$17.00 @ 2010
4. PV - \$585.00 @ 2020
5. 3,441.18% increase in 10 yrs

HYPOTHESIS



**Stock prices are valued beyond
“Supply and Demand” If a possible
investor sees a future desired return,
stock prices may shift based on the
secondary party’s willingness to pay
for a specific price.**

Questions:

1. Did the Covid19 Pandemic drastically affect Tesla's stock performance?
2. How was the performance of their stocks in 2020 differ from previous years?
3. By comparing Tesla Auto performance to other similar industries, how can we prevent any decline in stocks, if any, when similar situations occur in the future?



2020 Stock Closing Performance

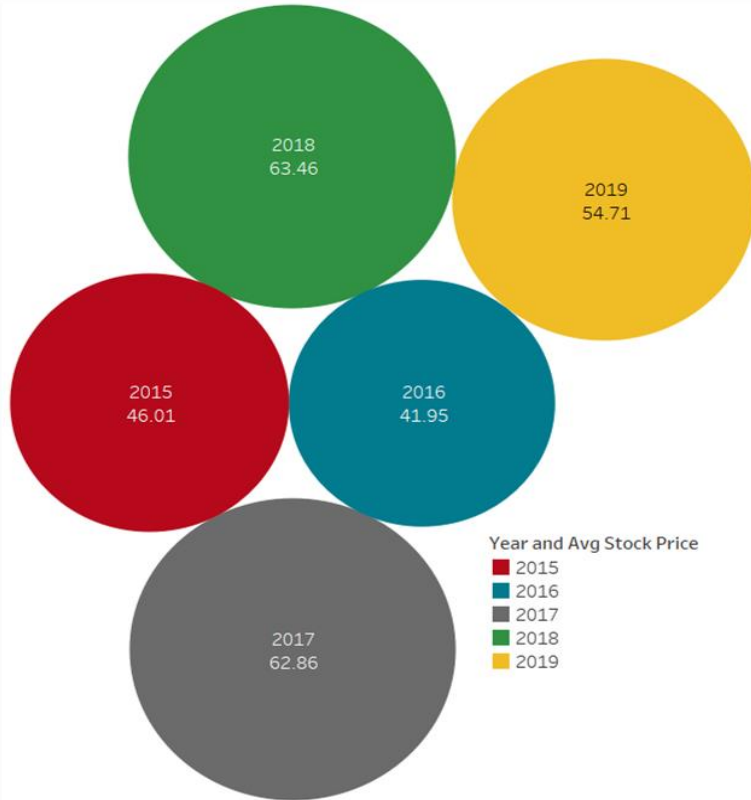
2020 Monthly Stock Closing Performance



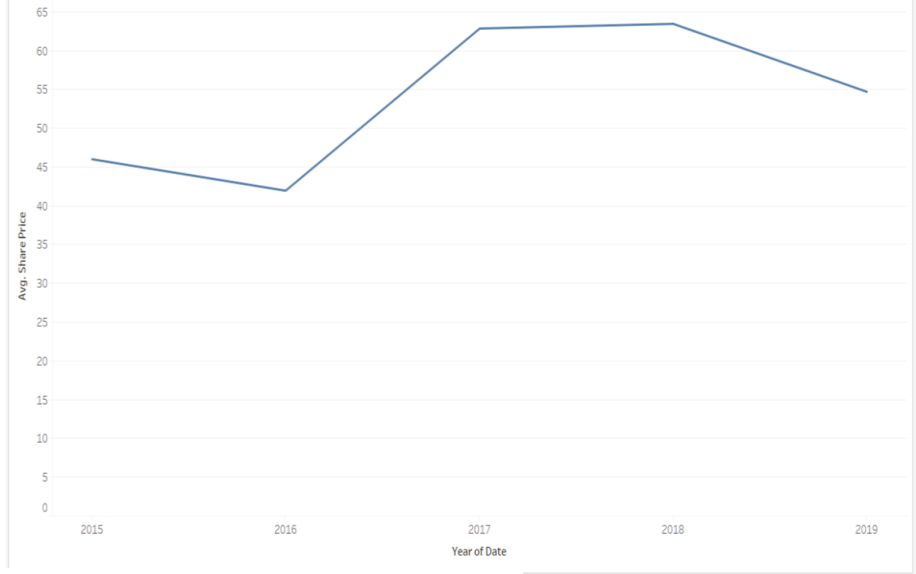
- 2020 Opening: \$84.90
- 2020 Low: \$70.10
- Current Total Increase in the last 12 months: 782.64%
- Profitable?



Current & Five-Year Stock Performance Evaluation

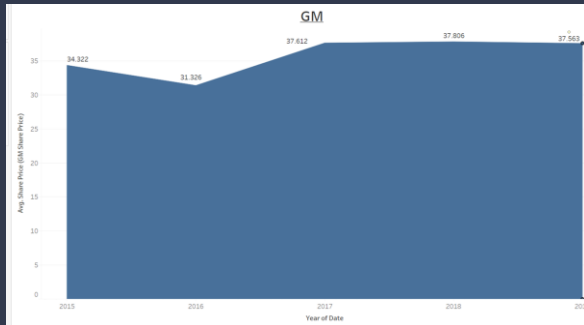
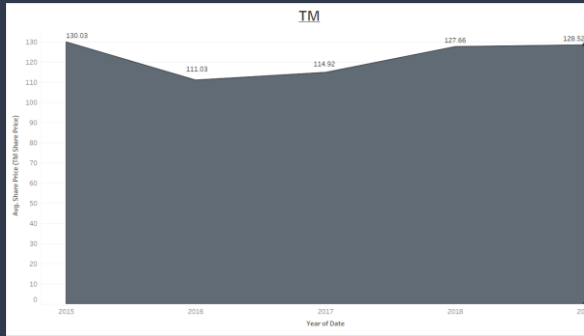
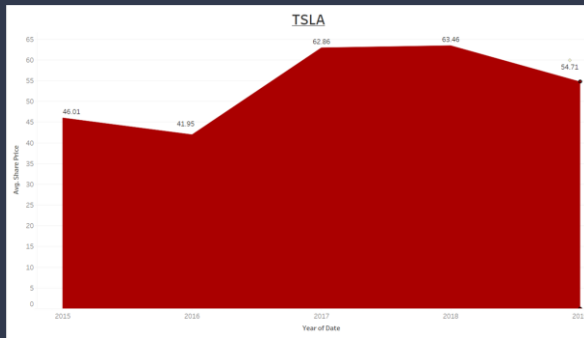


Year and Avg Stock Price



TSLA

Date				
2015	2016	2017	2018	2019
46.01	41.95	62.86	63.46	54.71



TSLA vs GM vs TM

	Date				
	2015	2016	2017	2018	2019
Avg. Share Price	46.01	41.95	62.86	63.46	54.71
Avg. Share Price (GM Share Price)	34.32	31.33	37.61	37.81	37.56
Avg. Share Price (TM Share Price)	130.03	111.03	114.92	127.66	128.52

Cash Flow

Symbol:	TSLA	GM	TM
Period Ending:	12/31/2019	12/31/2019	3/31/2020
Fiscal Year	31-Dec	31-Dec	31-Mar
Net Income	(\$862,000)	\$6,732,000	\$19,232,000
Cash Flows-Operating Activities			
Depreciation	\$2,342,000	\$14,118,000	\$14,871,000
Net Income Adjustments	\$1,187,000	(\$1,102,000)	\$1,451,000
Changes in Operating Activities			
Accounts Receivable	(\$367,000)	\$0	\$2,306,000
Inventory	(\$429,000)	\$0	(\$1,057,000)
Other Operating Activities	(\$937,000)	(\$4,662,000)	(\$2,879,000)
Liabilities	\$1,384,000	\$0	(\$1,276,000)
Net Cash Flow-Operating	\$2,405,000	\$15,021,000	\$33,261,000
Cash Flows-Investing Activities			
Capital Expenditures	(\$1,432,000)	(\$7,592,000)	(\$13,041,000)
Investments	\$0	(\$3,445,000)	(\$16,598,000)
Other Investing Activities	(\$4,000)	\$138,000	\$452,000
Net Cash Flows-Investing	(\$1,436,000)	(\$10,899,000)	(\$29,187,000)
Cash Flows-Financing Activities			
Dividends Paid	(\$311,000)	(\$2,350,000)	(\$6,345,000)
Sale and Purchase of Stock	\$1,555,000	\$457,000	(\$4,410,000)
Net Borrowings	\$798,000	(\$2,531,000)	\$14,434,000
Other Financing Activities	\$0	(\$253,000)	\$0
Net Cash Flows-Financing	\$1,529,000	(\$4,677,000)	\$3,679,000
Effect of Exchange Rate	\$8,000	\$2,000	(\$1,216,000)
Net Cash Flow	\$2,506,000	(\$553,000)	\$6,537,000



PRICE-TO-EARNINGS RATIO

PROS

- Helps investors determine the market value of a stock compared to the company's earnings.
- Utilize the ratio to determine if a stock is overvalued or undervalued

CONS

- Earnings are hard to predict
- Can't guarantee future results

2020 Q3 PE Ratio

Current Stock: \$567.60

EPS: \$0.53

PE Ratio: 1,170



Price to
Earnings Ratio =



(Market Price of Share)
(Earnings per Share)

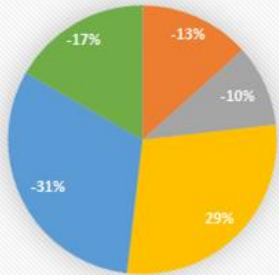


Stockholders' Equity

	2015	2016	2017	2018	2019
Capital Surplus	\$12,737,000	\$10,249,000	\$9,178,024	\$7,773,727	\$3,409,452
Retained Earnings	(\$6,083,000)	(\$5,318,000)	(\$4,974,299)	(\$2,997,237)	(\$2,322,323)
Other Equity	(\$36,000)	(\$8,000)	\$33,348	(\$23,740)	(\$3,556)
Total Equity	\$6,618,000	\$4,923,000	\$4,237,242	\$4,752,911	\$1,083,704

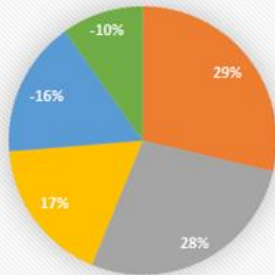
CASH FLOW ANALYSIS TSLA

2015



Net Cash Flow Operating Financing
Investing Net Income

2019



Net Cash Flow Operating Financing
Investing Net Income

2018



Operating Financing Investing

2019



Operating Financing Investing

Cash Flow

Period Ending:	12/31/2015	12/31/2016	12/31/2017	12/31/2018	12/31/2019
Net Cash Flow	-708,805	2,532,509	198,000	312,000	2,506,000
Net Cash Flow-Operating	-524,499	-123,829	-61,000	2,098,000	2,405,000
Net Cash Flows-Financing	1,523,523	3,743,976	4,415,000	574,000	1,529,000
Net Cash Flows-Investing	-1,673,551	-1,081,085	-4,196,000	-2,337,000	-1,436,000

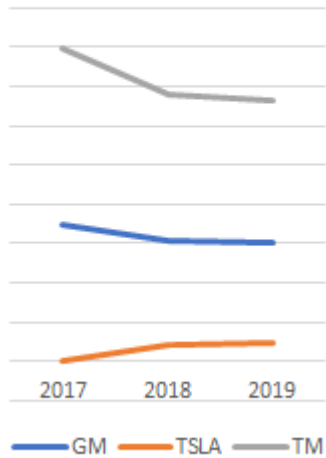
TSLA Cash Flow: 2020

- **Operating:** Business activities are thriving (Positive)
- **Financing:** Incoming cash, boosting asset level (Positive)
- **Investing:** Cash being injected for the long-term health of the company (Negative)

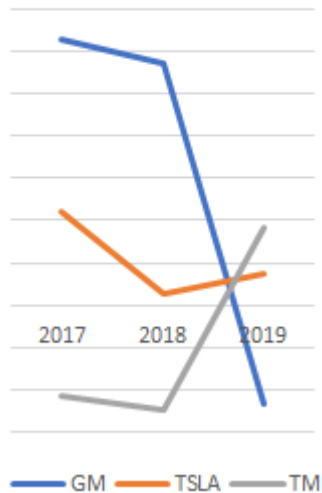


Key Takeaways between TSLA, GM, and TM

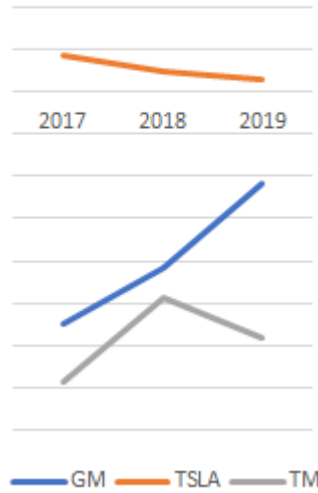
Operating Activity



Financing Activity



Investing Activity



- Cash flow from Investing Activities has a direct influence with the demand of stock
- Investing activities can create value with new assets



PV & FV CASH FLOW ANALYSIS TSLA

<u>TESLA</u> Total Cash flow from Operating, Investing, and Financing Activities	
2015	
2016	
2017	
2018	
2019	

Detailed Calculations

Future Value =

Present Value =

Comprehensive Summary and Analysis

1. Capex - Capital Expenditure
 - a. Upgrade of Machinery
 - b. To expand in the future to assist during periods of dips
2. Invest in assets to increase public view of the company's value
 1. Maintain high stock value to attract more investors
 - a. Sell Stocks when necessary
 - b. Stock Buyback



