

Investment Recommendation:

As the world gets even more saturated with data, technologies that harness this massive amount of data simply and usefully will be invaluable.

Tableau, the leading business intelligence and analytics company, is trading significantly lower than its <u>fundamental value</u>. I believe Tableau's stock should be worth <u>80-120% higher</u> than what it is today.

In a downside scenario, the stock will be \$38 in two years, <u>a decrease</u> of 15% from the current price (assume current EV / Sales).

Agenda

- List of People Interviewed During Original Research
- Product Overview
- Industry Overview and Competitive Landscape
- Investment Thesis
- Valuation
- Deal Structuring
- Investment Concerns
- Key Questions for Additional DD

Original Research

I have tried to seek value add, original research on my investment thesis on Tableau. I used Tableau products myself, talked with people who regularly use smart BI products as well as employees of Tableau and its competitors

- I have personally tested Tableau, Qlik and Microsoft products
- Two VPs of Technology Division in charge of driving greater adoption of BI products like Tableau at a major financial institution
- Data specialist at a New York investment bank
- Tableau Enterprise Salesperson for Mid-Atlantic Region
- Two Qlik sales people, one of which is a specialist salesperson for SMBs
- Microsoft Power BI salesperson
- Global growth strategist at a major cloud company

You will see these blue bubbles throughout the deck. These are quotes/paraphrases from people with whom I talked, or my own reflections as an user.

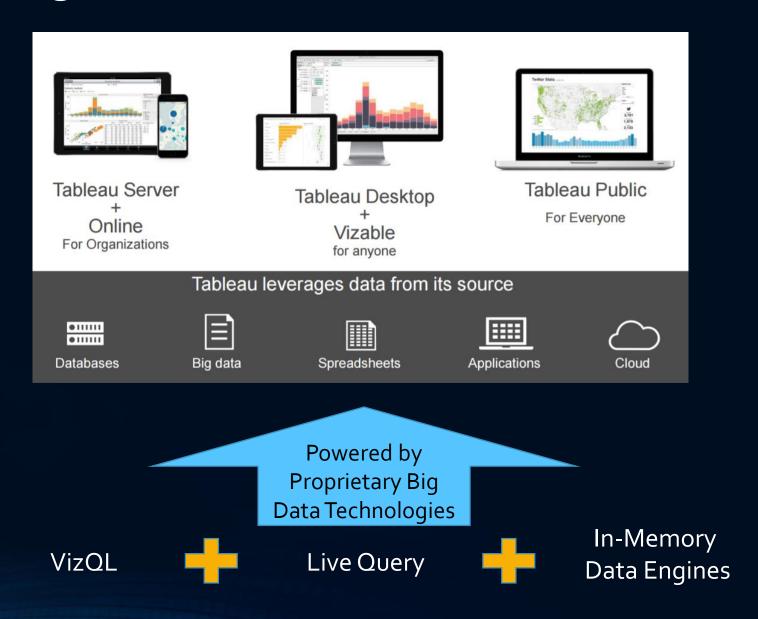
Intro to Tableau

Tableau is the Premier Big Data Visualization Software

"Tableau's greatest strengths include 1) turning data into intuitive visuals, 2) compatibility with a diverse database, 3) easy to use for business people who do not know coding, 4) easy to share on the enterprise server."

"On the flip side, since Tableau created a new product category, it requires new users to invest 1 or 2 hours to learn the interface. I recognize people like to stick to what they know. Additionally, since Tableau products are being updated rapidly, there are some technical difficulties including delayed processing."

-VP of Technology at a Major Wall Street Firm

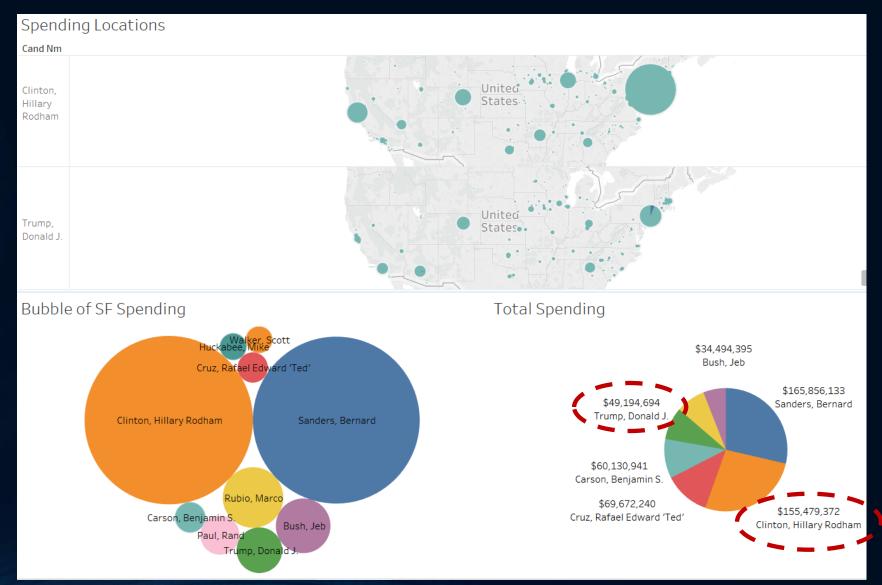


Private & Confidential

Tableau's Data Visuals are Intuitive and Powerful

2016 US PRESIDENTIAL SPENDING

Using Tableau, I can quickly create complex graphics that were either impossible or would have taken hours to do in Excel.



Global Business Intelligence Market is Fast Growing

GLOBAL BI AND ANALYTICS MARKET



• Click here to see an interactive Tableau dashboard on BI market

KEY FACTORS IMPACTING THE INDUSTRY



DRIVERS OF GROWTH

- Proliferation of data across all industries
- Modern BI as new normal
- Transition into cloud
- Ubiquity of analytics
- Collaborative analytics becomes core
- Self-service analytics extends to data prep
- User interface becoming more intuitive
- Data literacy becoming a fundamental skill

MAGIC QUAD - BI & ANALYTICS PLATFORMS



Competitive BI Landscape

"I would rank the top three BI software in this order: Tableau, Qlik and Microsoft." – VP of Technology Division at a Major Wall Street Firm

Modern BI

Traditional BI

BI Vendors	+ab eau	Qlik Q	S.Sas.	salesforce	amazon	TIBC ® °	Microsoft	SAP	IBM.	MicroStrategy	ORACLE'
Products & Services	 Easy to use visualization software designed for regular business users Versatility in deployment options (cloud vs. on-premises) and use cases Diverse data source connectivity Very expensive 	Targeting more sophisticated users with the most advanced analytics Less intuitive	capabilities including specialty tools for data scientists and interactive dashboards for	interactive dashboards similar • to DATA • Limited front- office analytics application	Cloud-based AWS QuickSight Lower-end analytics Meeting basic user needs at a fraction of DATA's costs Help gain traction with AWS users	data discovery and visualization product	Fast transitioning to modern BI Cortana Analytics suite: Power BI, machine learning and cloud Strong business benefits for users Cloud-based delivery and lower cost Easy to use but limited advanced functionality Poor sales experience	 Main advantage is existing ERP customer base No meaningful next-gen offering 	Legacy Cognos losing shares to modern BI vendors Strong software capability but limited customer reach given complex user interface Next-gen offering of Watson Analytics warrants monitoring	 Early BI vendor with legacy on-premise tools Enterprise-grade platform with strong governance and security features 	 Vast array of BI tools including SaaS, complex IT department analytics, big data appliance Typically used for large-scale enterprise deployments Lacking unified product vision and advanced analytics Complexity of use
Brand Mindshare	 Strong reputation among passionate users Developing enterprise level relationships 	 Strong position in next-gen BI market Great salesforce Great global brand recognition Costly (though cheaped than DATA) 	 Poor sales experience Difficult to implement and 	 Very limited brand • awareness 	relationships through AWS	 Customers welcomed flexible pricing Concerned about long term product roadmap 	 Strong existing enterprise relationships Cost efficient 	legacy BI vendor	Cognos sold in >130 IBM apps Perceived as legacy BI vendor	 Despite inroads in new BI, still perceived to be a legacy BI vendor 	 Offers too many products Difficult to compete with more streamlined brands
Econ. of Scale	 Developing scale High cost can be a barrier for rapid expansion 	J	 Server-based analytics enable significant scalability 	• Very limited scale •	P Still an early product but can be leveraged via AWS to increase scale	Moderate scale	 Potentially strong leverage via Microsoft's enterprise relationships 	 Broader business- user adoption is limited 	Achieved scale in legacy BI applications such as record reporting centrally managed by IT departments	3 3 ,	 Suitable for large- scale enterprise deployments but lacking unified product offering
Annual Cost / Enterprise User	\$1,999 \	\$1,500 (min of 5 users)	>\$100,000	Higher than DATA (BI is packaged into cloud offerings)	\$216	Server prices range from 6 to 7 figures	\$120	Server prices range from 6 to 7 figures	Server prices range from 6 to 7 figures	Server prices range from 6 to 7 figures	Server prices range from 6 to 7 figures

Zoom In On the Top Three Providers

	+++++ +++++ + a b e a u	Qlik Q	Microsoft
User Mindshare¹	146,173 views7,762 followers90 reviews	90,113 views7,698 followers76 reviews	79,120 views7,330 followers9 reviews
Top Industries of User Reviews ¹	 Financial Services 14% Healthcare 11% University 10% Manufacturing 7% 	 Financial Services 18% Manufacturing 8% Insurance 7% Communications 6% 	 Energy/Utilities 38% Manufacturing 13% Financial Services 13% University 13%
Company Size of User Reviews ¹	• SMEs 50% • Large Enterprise 51%	SMEs 64%Large Enterprise 36%	SMEs 66%Large Enterprise 34%
Positive User Reviews	 "Without doubt Tableau [] set the pace for easy-to-use data visualization and exploration software. In practical terms this means business users can get to their data, typically without assistance from IT, and create graphs, charts and dashboards in a way that is most meaningful to them." "Visualization attributes: Marks – Color, Size, Label, etc Easily Accessible and Intuitive" "Very good Geo/Mapping capabilities" "Adaptive sizing based on display resolution. [] Something Qlikview does not do - you must develop for particular display size/dimensions." "Tableau ease-of-use is almost legendary. [] The platform is also very scalable and supports some very large implementations" 	 "If needs are straightforward [] then either [Tableau or Qlik] will satisfy needs. But a more prudent approach would assume that future needs are unknown, and that would definitely give more weighting to Qlik Sense." [Qlik] "brings with it a mature environment for extension and developer support - absolutely crucial in a real-world business intelligence environment." "QlikView and QlikSense are powerful tools that require IT and BI expertise to take full advantage of. True BI utilization [] requires deep knowledge of data utilization and visualization. Qlik can provide that, BUT at the cost of additional IT or BI expertise." 	 "user-friendly [and] very stable" "The ease of implementation and reliability of SQL Server Reporting Services far exceeded the solution originally implemented with [SAP] Crystal Report." "It's been stable for over eight years, and all the latest products/versions have backwards compatibility, or an upgrade facility. It has helped to fetch many projects, and to deliver them on time, as well as helping to resolve complex business challenges. The product has continual updates so we can stay on top of the market." "a great level of customer service." "not costly when compared with other competitor products"
Critical User Reviews	 "Tableau is hobbled to some extent by its poor extensibility - an issue that should not be underestimated in significance." "anyone can do a Google search or look on various forums to find that [Tableau] users are often frustrated by its lack of extensibility." "Heavy data prep needed. Blending within the tool is clunky and causes performance hit." 	 "I was very under-whelmed by its charting ability- it feels like the defaults and the tutorial regard graphic representation as an afterthought." "Their marketing department is heavy-handed[]. This can turn companies off when they get too aggressive." 	 "Reporting or SharePoint needs a lot of learning so you can build reports" "The build in Report Builder for end users needs improvement."

Investment Thesis

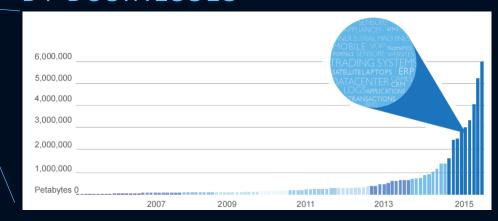
- BIG DATA, BIG MARKET
- TABLEAU BREAKING OUT AS THE MARKET LEADER
- NEW MANAGEMENT TEAM TO INVENT TABLEAU'S FUTURE
- MEW SALES STRATEGY TO FOCUS ON LARGE ENTERPRISES
- 5 TABLEAU TAPPING INTO THE MASSIVE GLOBAL BI MARKET

1 Advanced Data Visualization is Critical as Big Data Confidential Increasingly Drives Business Decisions

DRIVERS OF GROWTH

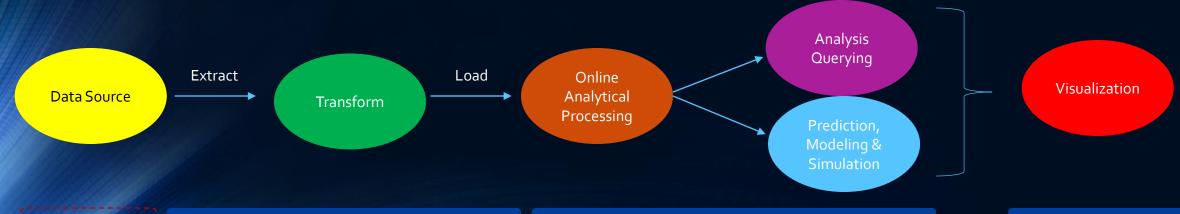
- Proliferation of data across all industries
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NEW DIGITAL DATA TOUCHED BY BUSINESSES



"Wall Street will hire more people like me who understand advanced data analytics and less MBAs. That's just where the world is going." – Data Specialist at a Major Investment Bank

USER FRIENDLY OUTPUT MAKES BIG DATA ANALYSIS USEFUL



Data Preparation

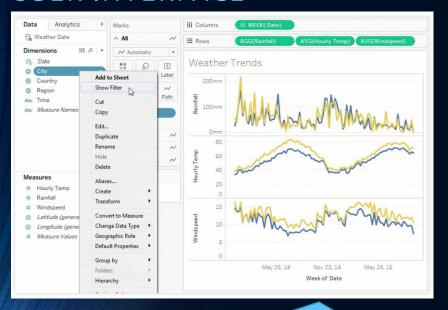
Data Integration

Analytics

Useful Output

The Category Creator and Breakout Leader in Modern Data Visualization with an Increasing Network Effect

POPULARIZING DRAG & DROP USER INTERFACE



"Live editing, customization, intuitive user interface are the biggest differentiators for Tableau from its competitors.

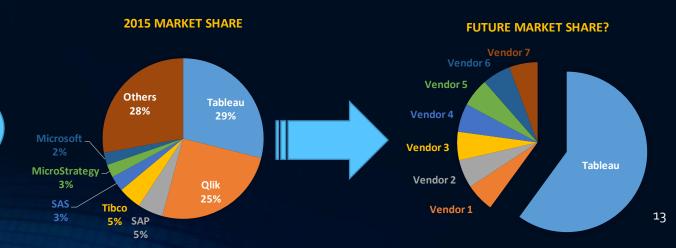
However, you have to invest upfront a bit of time learning how to use Tableau, which I understand can be a mental hurdle for many people. People like the familiarity of Excel."

-VP of Technology Division at a Major Financial Institution

FUTURE PRODUCT VISION AT TABLEAU CONFERENCE 2016

- >13k data fanatics attended the conference
- New Data Engine
- New Data Preparation Product
- Tableau Server for Linux
- Next Leap in Analytics
- New Data Governance Capabilities
- New Collaboration Capabilities
- Machine Learning Smart Recommendations
- New Hybrid Data Connectivity for the Cloud

EMERGING LEADERSHIP IN MODERN BI



3 New Leadership to Invent Tableau's Future

Adam Selipsky as New CEO

PAST EXPERIENCE

- New President and CEO Adam Selipsky since summer 2016
- Selipsky led sales & marketing for AWS from 2005 to 2016, most recently as VP of Marketing, Sales and Support
- Helped grow AWS from a start-up into a multi-billion dollar business and establish it as the market leader in cloud computing
- Prior to AWS, he was an executive at RealNetworks, leading the video subscription and media player division
- Bachelor's and MBA from Harvard







TOP PRIORITIES AT TABLEAU

- Executing "Act 3" of Tableau's ambition: Selipsky's experience of building a new business into a multibillion operation can help Tableau grow into a household software company
- Spearheading "wide-scale deployments in the world's largest enterprises"
- "10xing" Tableau's differentiated hybrid product offering (on premise / cloud)
 - Key next step is to hire a new Worldwide Head of Sales

Product Leadership Change

CHIEF DEVELOPMENT OFFICER

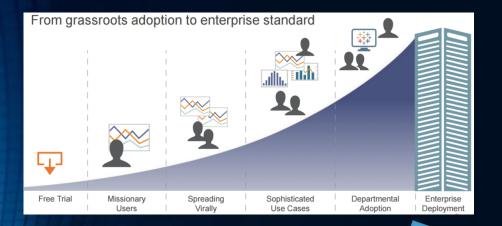
- Andrew Beers replaced cofounder Chris Stolte to lead product development
- Joined Tableau as one of the first developers

CHIEF PRODUCT OFFICER

Francois Ajenstat, one of the company's long-time product leaders, was elevated to a new position as Chief Product Officer, reporting to Beers

4 Tableau's Sales Strategy Is Shifting Focus on Enterprise

OLD WAY: LAND & EXPAND



NEW WAY: ENTERPRISE AGREEMENTS



Qlik Q

Tableau will compete head to head with Qlik, which also has an impressive salesforce. My own experience in talking with two Qlik sales people confirmed this.

SELECTED TABLEAU CLIENTS

"We want to get on people's calendar, instead of waiting for clients to schedule training sessions. We also want to bring Tableau people on-site so we can physically reach out to more potential users within an organization. We want to understand how we can reach the most people."

- Tableau Enterprise Sales Manager

BARCLAYS

BARCLAYS

BARCLAYS

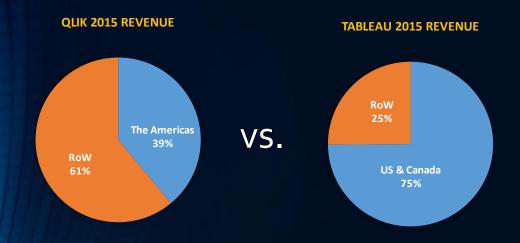
THE WORLD BANK

WIELLS
FARGO

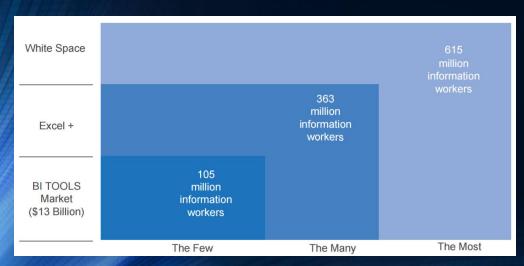


5 Tableau is Rapidly Globalizing

HISTORICALLY US-FOCUSED



GLOBAL INFORMATION WORKERS



BUT TABLEAU IS EXPANDING OVERSEAS



TABLEAU'S CHINA OFFICE

- Opened a Shanghai office in 2015
- "With 1.3 billion people, a quickly expanding urban economy, and exponential rates of Internet and smartphone penetration, China generates an immense amount of data annually. Tableau can help bring that data to life with rapid-fire insights." - APAC Vice President of Tableau
- China Eastern Airlines uses Tableau to analyze market research and optimize its "Origin-to-Destination" routes
 - 500 people now use Tableau
 - Reported 2% increase in sales (US\$200mm)

5 China Case Study: China Eastern Airline



- A major Chinese airline operating international, domestic and regional routes
- China's 2nd-largest carrier by passengers and the world's 3rd-biggest carrier by market value
- NYSE: CEA
- Market cap: \$11bn

PAIN POINTS

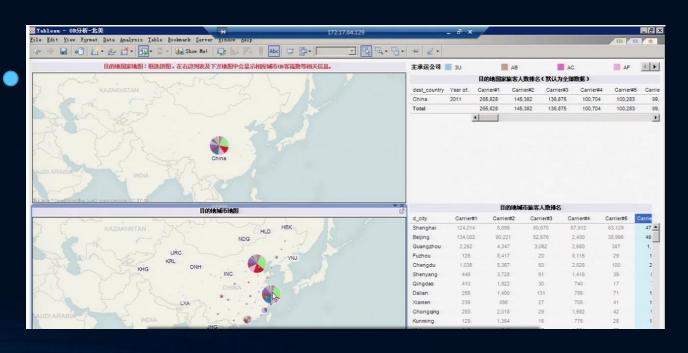
- Previously used Oracle and IE browser to show data, which was slow and difficult to use
- "Searched the world of tools"

"Using Tableau, last year we owned a 2 percent increase in revenue, that's \$200 million U.S. dollars. If you want to own the money in the aviation or transportation industry, you're using Tableau."

> - James Pu, Senior Executive, **Networking & Revenue**

HOW DID TABLEAU HELP?

- Developed nine dashboards for 500 people to analyze marketing, competition, other carriers, and flights-to-revenues
- Resulted in 2 % increase in annual revenue (\$200mm)
- Reports that use to take 2-4 weeks are now completed in Tableau in 30 minutes or less





Standalone Financial Profile

										FYE D	ec								
			His	torica			Projected												
		2013		2014		2015		2016		2017		2018		2019		2020		2021	
Total Revenue	\$	232	\$	413	\$	654	\$	809	\$	1,109	\$	1,504	\$	2,044	\$	2,534	\$	3,146	
Growth		82%		78%		58%		24%		37%		36%		36%		24%		24%	
Total License Revenue	\$	160	\$	280	\$	424	\$	466	\$	629	\$	881	\$	1,233	\$	1,480	\$	1,775	
Growth		78%		75%		51%		10%		35%		40%		40%		20%		20%	
Maintenance and Service Revenue	\$	73	\$	133	\$	230	\$	343	\$	480	\$	624	\$	811	\$	1,054	\$	1,370	
Growth		92%		83%		73%		49%		40%		30%		30%		30%		30%	
Implied DATA Market Share								3%		4%		5%		6%		7%		8%	
Gross Profit (Ex. SBC)	\$	214	\$	378	\$	587	\$	723	\$	979	\$	1,322	\$	1,802	\$	2,225	\$	2,751	
Margin	ξ	92.3%	9	91.6%	8	89.8%		89.4%		88.3%		87.8%		88.2%		87.8%		87.5%	
Operating Income (Ex. SBC)	\$	18	\$	53	\$	67	\$	31	\$	(2)	\$	70	\$	102	\$	117	\$	134	
Margin		7.8%		12.9%		10.3%		3.8%		-0.2%		4.6%		5.0%		4.6%		4.3%	
Adj. EBITDA	\$	25	\$	67	\$	91	\$	65	\$	63	\$	146	\$	204	\$	241	\$	286	
Margin	1	10.8%		16.2%	ĺ	13.9%		8.1%		5.7%		9.7%		10.0%		9.5%		9.1%	
Growth				167%		36%		-28%		-4%		132%		39%		19%		18%	
Comparison with Consensus																			
Consensus Revenue							\$		\$	872	\$	967	\$		\$	1,694			
Growth								23%		8%		11%		51%		16%			
Paul Chen's Projected Revenue							\$		\$	1,109	\$		\$		\$	2,534			
Growth								24%		37%		36%		36%		24%			
Delta - %								0%		27%		56%		40%		50%	5		
Consensus EBITDA							\$	64.8	\$	38.3	\$	82.6							
Paul Chen's Projected EBITDA							\$		\$	62.9	\$	145.9							
Delta - %								1%		64%		77%				0	ne	Tablea	

ASSUMPTIONS & COMMENTS

- DATA will take shares from competitors by signing more licensing deals with large enterprises
 - The CEO has outlined efforts to push aggressively into enterprise sales
- As licensing revenue growth accelerates, service revenue will increase faster than consensus projections too
- Bottoms up TAM build1: based on Wall Street research, there are ~865mm knowledge workers globally. 17% of them use BI tools, implying ~150mm potential Tableau customers
 - Assume \$200 run-rate ARPU (blend of free and premium Tableau products)
 - The # of modern BI users grows 5% / year
- 4 Used Wall Street estimated expenses as % of revenue
 - 2017 Consensus OPEX spikes in light of DATA's strategy to push sales aggressively
 - Flatlining cost structure beyond 2019 because I expect Tableau to grow for several years before slowing down
- My variant perception from Consensus: DATA will have higher topline growth as it takes shares from competitors with superior products, excellent salesforce and an increasing network effect; overtime, DATA will become the industry standard for advanced visualization like how Excel is used today by millions of business users

One Tableau enterprise salesperson reached out to me via email after observing that I registered on Tableau's website. She immediately scheduled a call with me to discuss strategies to increase adoption of Tableau among my coworkers. She was very professional and attentive to my needs.

15-20

CAGR

31%

28%

36%

31%

12%

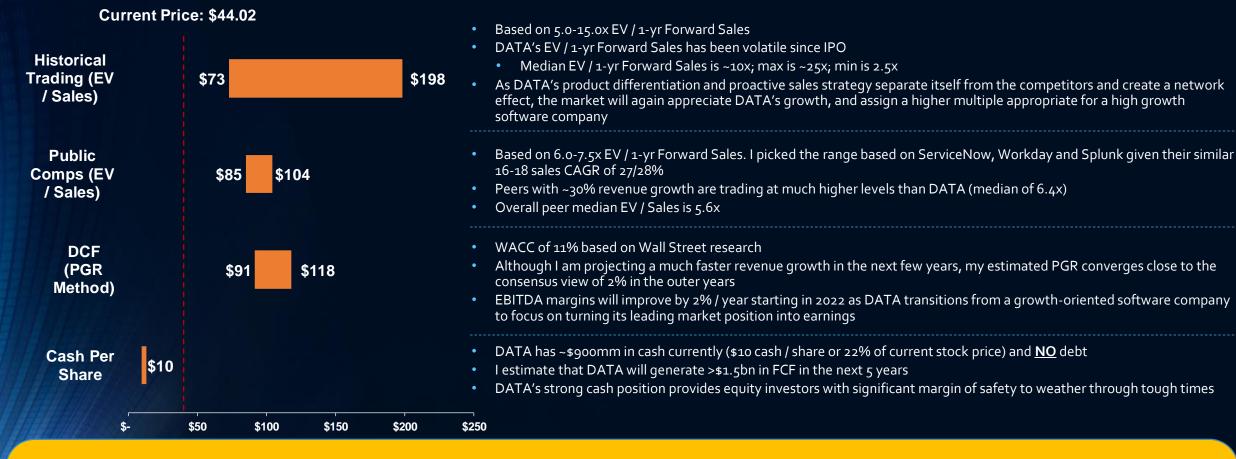
22%

Tableau Stock Price Since IPO

After failing to meet Wall Street's euphoric growth expectations in the short term, Tableau's stock fell out of favor in February 2016. Since then, many analysts also started to express concerns over Tableau's competitiveness, believing that the BI market will become commoditized. The stock is trading near all time low as of Dec-16-2016.



Summary Standalone Valuation

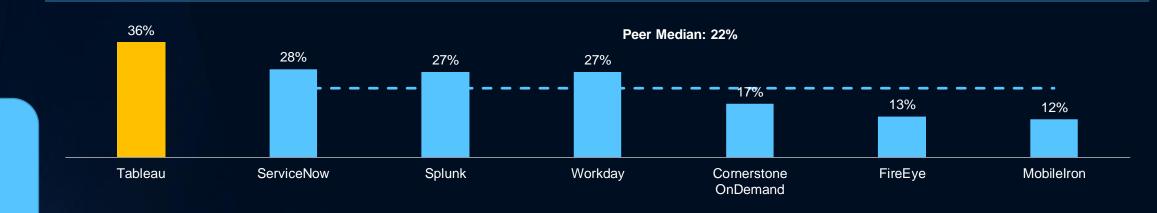


- Based on my valuation analysis, Tableau's <u>value</u> should be \$80-100, representing a 82 127% premium to current price
- In two years, even assume that the EV / Sales stays at the current depressed level (2.7x), I expect Tableau's stock to increase to \$68, or 54% premium to today's price
- In a downside scenario, the stock will be \$38 in two years, a decrease of 15% from the current price (assume current EV / Sales)

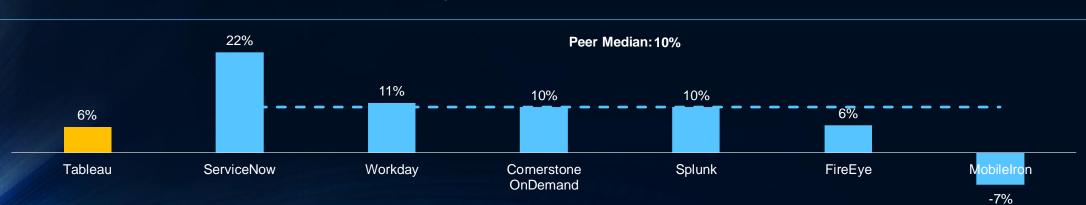
Note: market data as of Dec-16-2016

Comparable Company Analysis – Operational Benchmarking

2016-2018 REVENUE CAGR



2017 EBITDA MARGIN



Source: peers per IBES

Qlik's last Consensus estimates

before delisting:
• 16-18 Rev

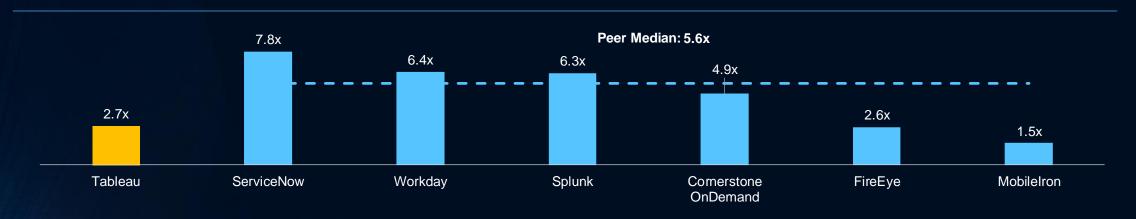
CAGR of 15%

Margin of 13%

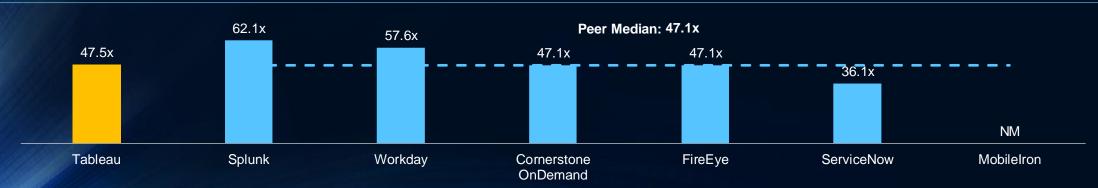
• 17 EBITDA

Comparable Company Analysis – Valuation Benchmarking

EV / 2017 REVENUE



EV / 2017 EBITDA



Note: market data as of 2016-Dec-16

DCF

(\$mm except per share)		FYE ended Dec Projected															_		47.07							
		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026	2027		rminal Year	17-27 CAGR
Total Revenue Growth	\$	809	\$	1,109 37%	\$	1,504 36%	\$	2,044 36%	\$	2,534 24%	\$	3,146 24%		3,796 21%	\$	4,447 17%	\$	5,054 \$	\$	5,568 10%	\$	5,939 7%	6,127 3%	\$	6,127	19%
Adj. EBITDA <i>Margin</i>			\$	63 5.7%	\$	146 9.7%		204 10.0%	\$	241 9.5%	\$	286 9.1%	\$	421 11.1%	\$	582 13.1%	\$	762 §	\$	951 <i>17.1%</i>	\$	1,133 <i>19.1%</i>	\$ 1,292 21.1%		1,292 21.1%	35%
EBIT Margin Cash Tax Rate			\$	(2) -0.2% 0%	\$			102 5.0% 30%		117 4.6% 30%	\$		\$	240 6.3% 30%	\$	374 8.4% 30%	\$	530 \$ 10.5% 30%	\$		\$		\$	\$	1,076 17.6% 30%	NM
After Tax Profit			\$	(2)		49	\$	71	\$	82		94	\$	168	\$	262		371		489	\$	608	\$ 716	\$	753	NM
(+) D&A			\$	65 (50)		76		102		124		152			\$	208		233			\$	264	\$ 	\$	216	15%
(-) Capex (+) Deferred Revenue			\$ \$		\$		\$		\$	(103) 332	\$	(125) 396	\$	(148) 459	\$		\$	(190) \$ 561 \$	\$	(205) 590	\$	(214) 600	\$ 588	\$ \$	(216) 588	15% 14%
(+/-) Change in Other Net Working Capital Unlevered Free Cash Flow			\$ \$	(32) 137		(29) 260		(39) 338		(48) 387		(60) 457		(72) 588		(84) 731	\$	(96) S 879 S	•	(106) 1,021	\$ \$	` '	<u> </u>	\$	(116)	14% 25%
Growth			Ą	13/	Ψ	90%	Ф	30%	Ψ	15%	φ	18%		29%	Ψ	24%	φ	20%	Φ_	16%	φ	1,146	8%	<u> </u>	1,225	25%
Margin				12%		17.3%		16.5%		15.3%		14.5%		15.5%		16.4%		17.4%		18.3%		19.3%	20.2%		20.0%	
PV of UFCF			\$		\$	223	\$	260	\$	269	\$	286	\$	331	\$	371	\$	402	\$	421	\$	425	\$ 415			12%
Sum of PV of UFCF			\$	3,532																						
Terminal Value				13,879				Sensiti	vity	lable		lmnl	iod	Price /	Ch/	oro										
PV of Terminal Value % of EV			\$	4,639			-					Шрі	ieu	FIICE /		PGR										
Implied Terminal EBITDA Multiple				<i>57%</i> 10.7x								0.0%		1.0%		2.0%		3.0%		4.0%						
Sum of PV of UFCF			\$	3,532						10.0%	6 9				\$		\$	127 \$		141						
Implied EV			\$	8,171				၁၁		10.5%	6 9	98	\$	103	\$	110	\$	118 \$		129						
Implied Price / Share			\$	103				WAC		11.0%	6	92	\$	97	\$	103	\$	110 \$		119						
Premium / (Discount) to Current Price Current Price			\$	133% 44.02				3		11.5% 12.0%			\$	91 87	\$ \$	96 91	\$	102 \$ 96 \$		110 103						

Mid-point WACC of 11%; PGR of 2%

Mid-year convention for discount factor

Deal Structuring Alternatives

Private Placement in Tableau

	Commercial Arrangement	Joint Venture	Common Equity	Convertible Debt	Convertible Preferred				
Description	Arms length agreement between buyer and DATA to roll out business partnerships in China	 Strategic relationship that allows buyer and DATA to share resources Revenue / profit sharing JV agreement in China 	 DATA issues common equity at a discount to stock price Immediately dilutive to current equity holders 	 Senior or subordinated debt of the issuer that is convertible into common stock (or cash + common) 3-10 year maturity Generally senior or subordinated unsecured Conversion price at a premium to current market Tax deductibility to issuer 	 Company issues preferred stock that is convertible into common stock Conversion price at a premium to current market Senior in capital structure relative to common equity Not tax deductible to issuer 				
Benefits	✓ Simple ✓ Low risk	 ✓ Sharing of technical know how ✓ Leveraging buyer's business relationships in China ✓ Risk sharing 	 ✓ Simplicity ✓ Highest return if share price outperforms over life of investment 	 ✓ More senior than equity ✓ Potential covenant restrictions with existing debt facilities ✓ Priority of claim on the assets of the Company and ability to force bankruptcy 	 ✓ Increases yield above common stock dividend ✓ Greater ability to potentially achieve equity credit for rating agency purposes, if structured appropriately 				
Considerations	Limited integrationLimited strategic collaboration	 Limited integration Miscommunication Concern over IP protection Imbalance in what each partner brings 	 Less senior than convertible debt or convertible preferred in bankruptcy / default scenario No ongoing yield in excess of common stock dividend 		 Less senior than convertible debt in bankruptcy / default scenario Conversion price at a premium to current market (investor does not earn return on full equity upside) 				
Precedent Deals	Microsoft /	Pfizer / HISUN	GCC, And Andrews	Symantec MOTOROLA SOLUTIONS	©CTOCS LEGG MASON GLOBAL ASSET MANAGEMENT				
	(Jun-16)	海正药业 \$250mm (Sep-12)	\$103mm \$126mm (Nov-16) (Apr-15)	\$500mm \$1bn (Feb-16) (Aug-15)	\$200mm \$1.25bn (Dec-13) (Jan-08)				

Investment Concerns

- Increasing competition drives down sector profitability for all participants, including DATA, making data analytics a commodity industry
 - DATA's technology might be copied by a competitor
- Qlik is the most fierce competitor:
 - Qlik is taken private by Thoma Bravo in May 2016, which has empowered Qlik to focus on product development and sales
 - Has great products just like DATA (easy to use, intuitive, great visuals, versatility and speed)
 - Qlik is cheaper than DATA
 - All these being said, Qlik is highly levered after the LBO by Thoma Bravo
- Companies with existing enterprise solutions can more easily cross sell products (i.e. MSFT). Both Microsoft and Amazon could disrupt DATA and Qlik
 - Cheaper
 - Cloud-oriented
 - MSFT Power BI integrates well with MSFT Office
- Since BI analytics spending is discretionary, DATA has little downside protection in a market downturn
- DATA has had GAAP losses in recent quarters due to faster increase on SG&A spending
- Equity ownership dilution due to funding needs
- DATA's inability to protect IP in China or in other markets globally
- Expensive sector valuation of high growth software companies
- Perceived risk with high stock price volatility (although for long term investors, I don't think short term volatility is a risk, but an opportunity to buy)
- DATA could be in a sale process again after being rumored to be on sale in 2016

Additional Due Diligence Questions / Steps

- Interview with more users of competitors products. I only talked with users from a firm that has decided to go with Tableau from senior leadership
- What are few truths in BI and big data sectors that Tableau people believe in which few people agree on?
- How can DATA maintain its significant price premium to Qlik and Microsoft in the long run?
- How will DATA sustain its product differentiation against competition?
- How proprietary is DATA's technology? Why can't competitors copy it?
- Who are DATA's best competitors?
 - When DATA loses to competitors, why? When it wins, why?
- How effective will DATA's enterprise sales strategy be?
- What is DATA's ambition in China?
- Who can DATA target as customers in China?
- What is DATA's closest competitor in China?
- What is the biggest long term challenge DATA faces?
- How good is customer support for SMEs?
- What is DATA's long term recruiting strategy? How will DATA be able to attract great engineers to innovate?
- How will a major financial crisis like 2008 affect Tableau's business?
- How does Tableau maintain its entrepreneurial culture as it gets bigger?