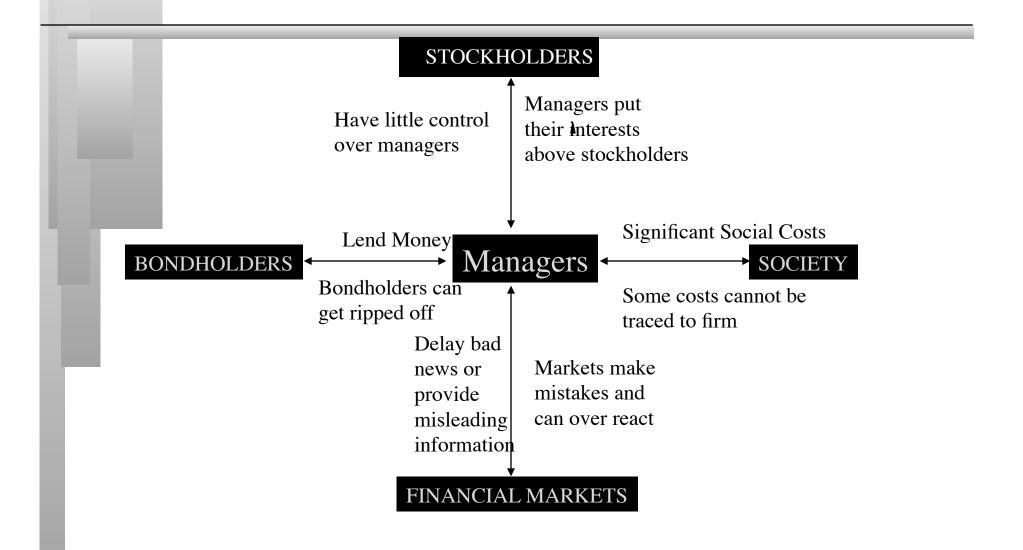


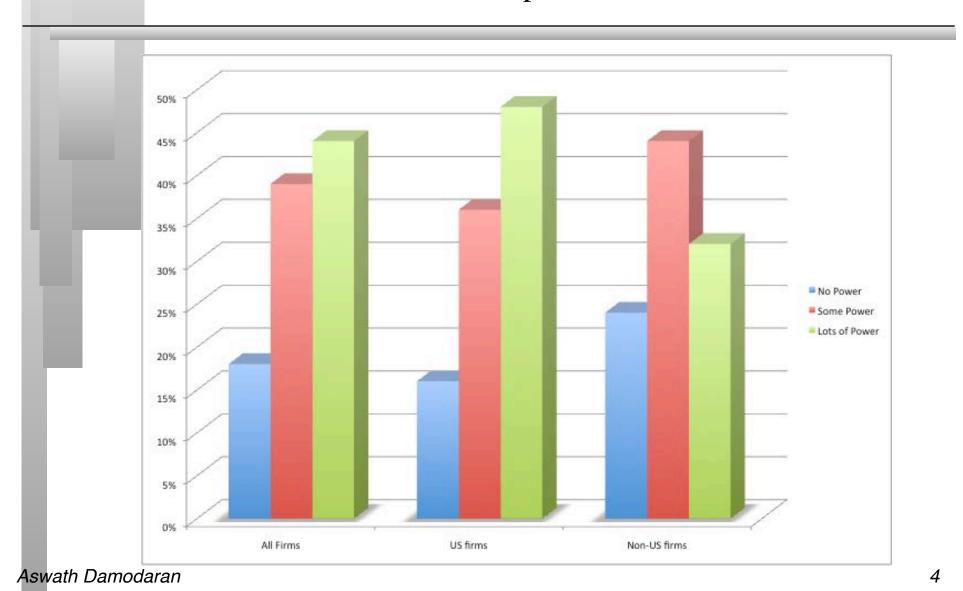
Ponderous Thoughts... (or maybe not)

- There are few facts and lots of opinions...
- The real world is a messy place...
- Models don't compute values and optimals. You do....
- Change is the only constant...

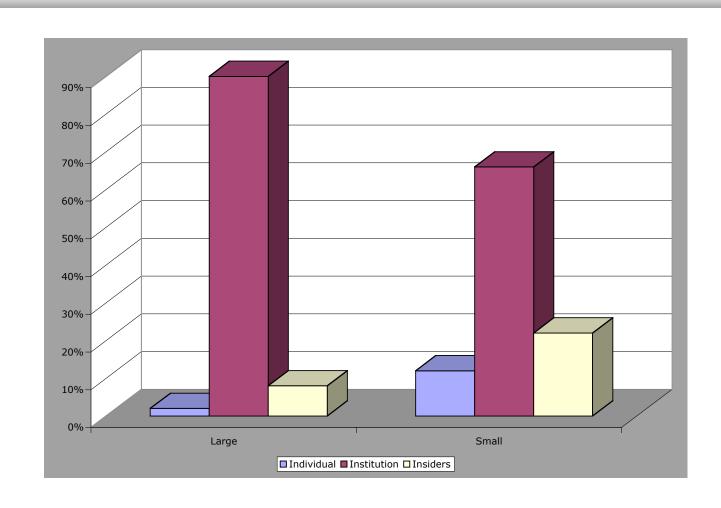
The Breakdown in the Classical Objective Function



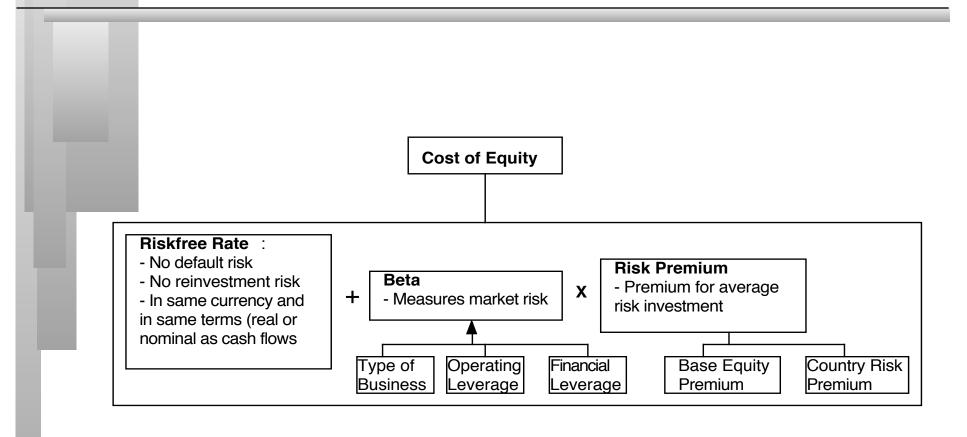
I. Where does the power lie?



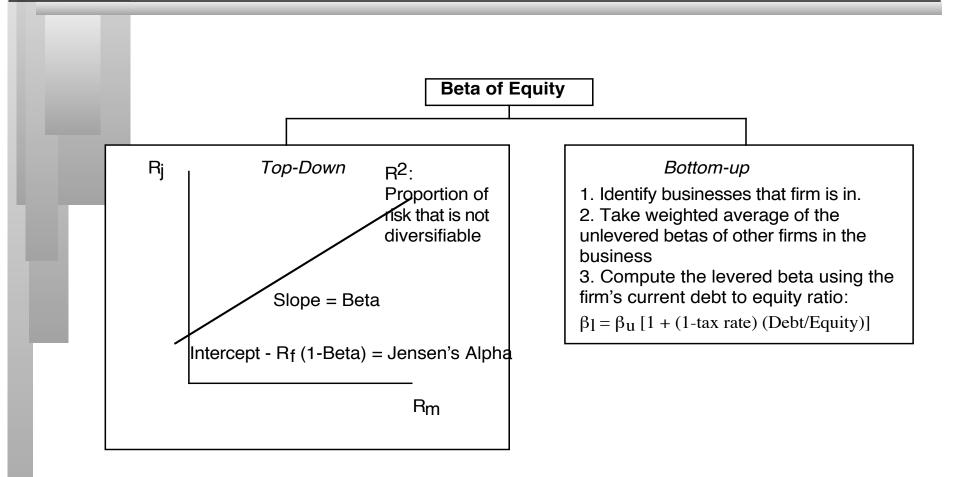
II. Who is your marginal investor? From Spring 2010



III. Risk Profiles and Costs of Equity



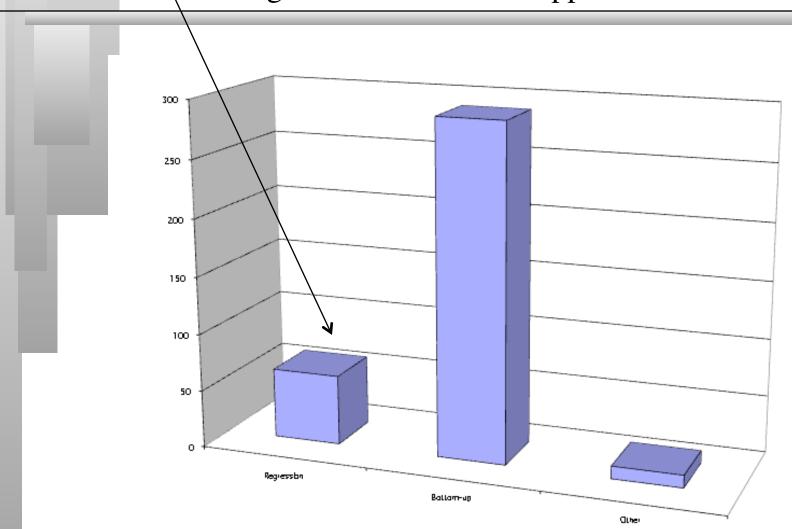
Beta: The Standard Approach



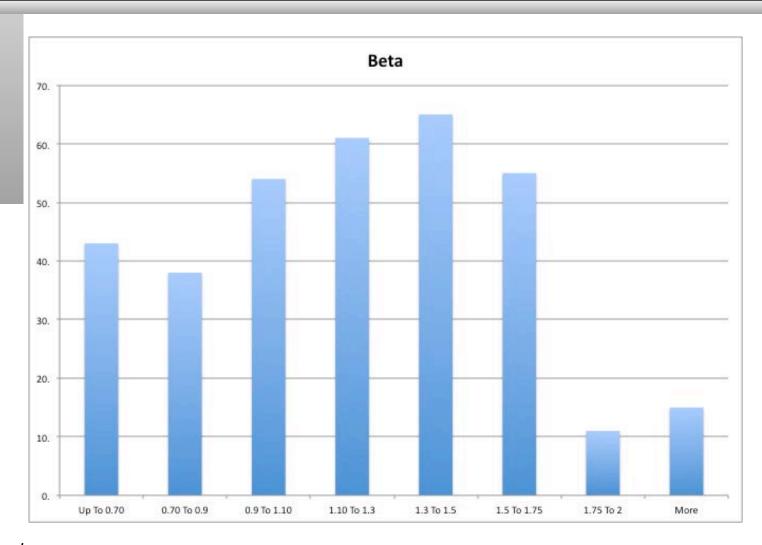
Typical reasons

- 1. My company is unique
- 2. My company is in only one line of business
- 3. My bottom-up beta is too different from my regression beta

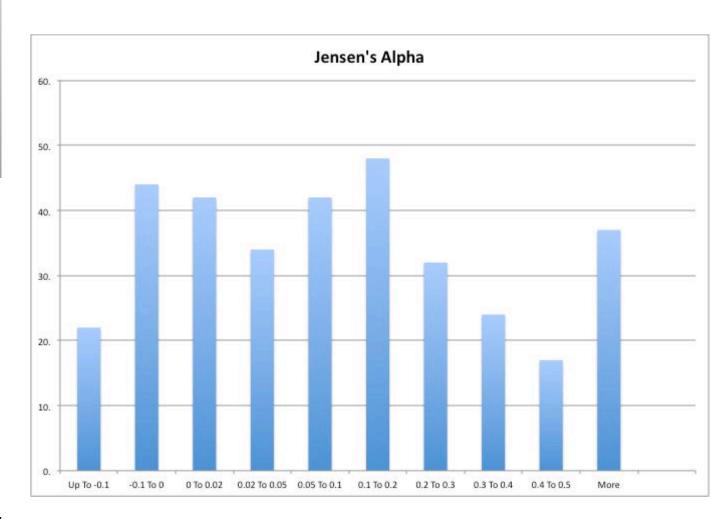


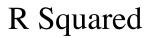


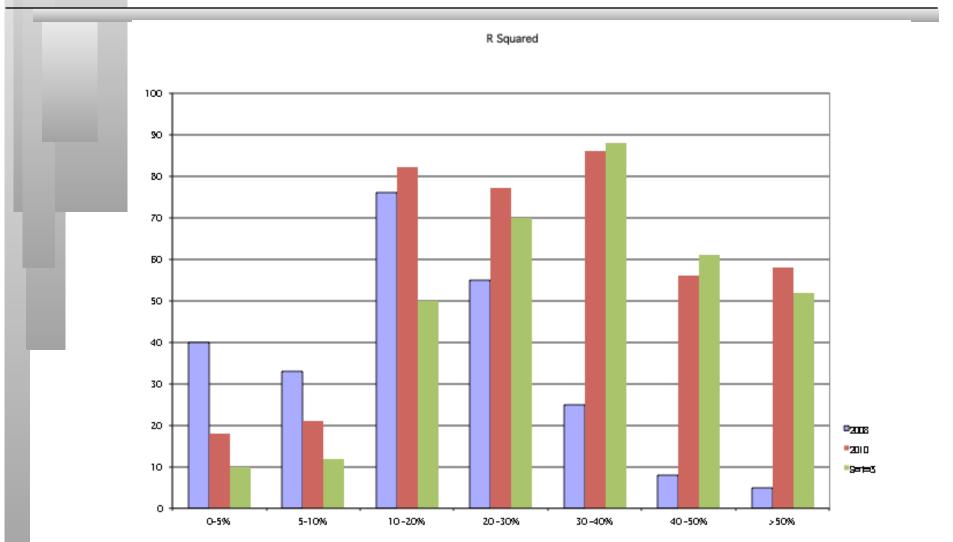
Beta Distribution



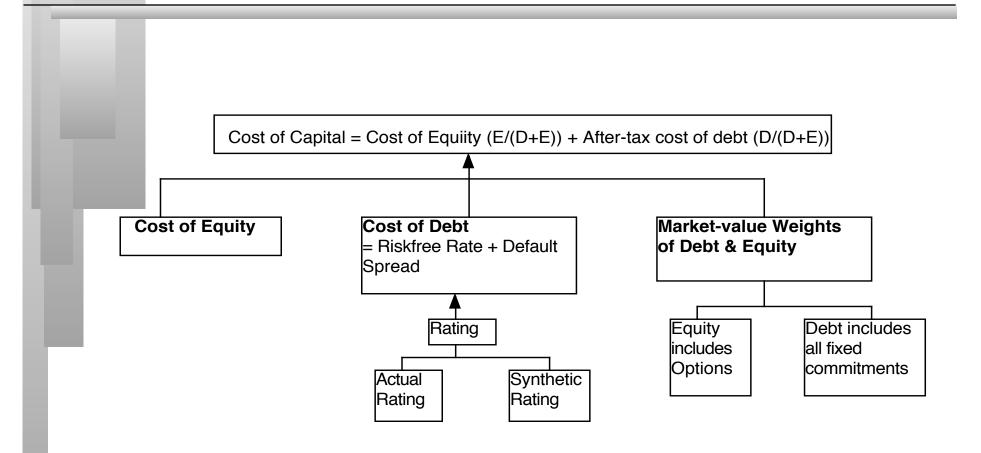
Jensen's Alpha Distribution



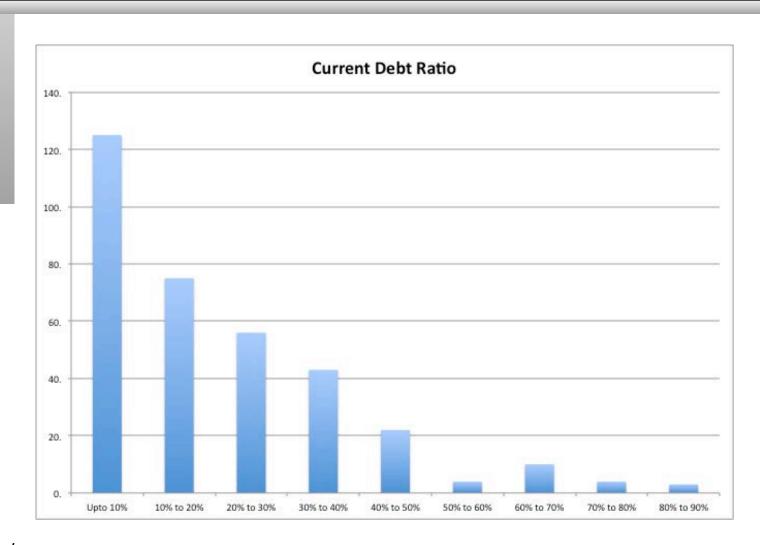




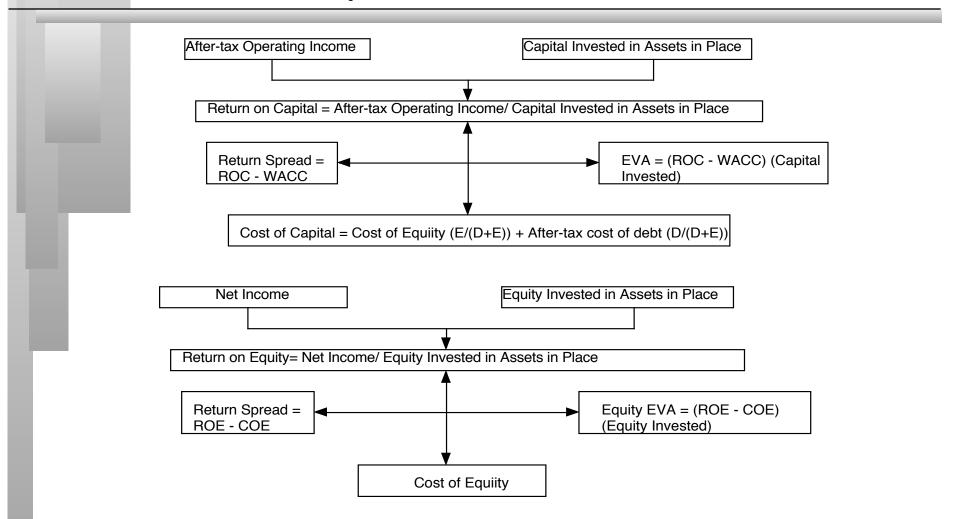
Cost of Capital



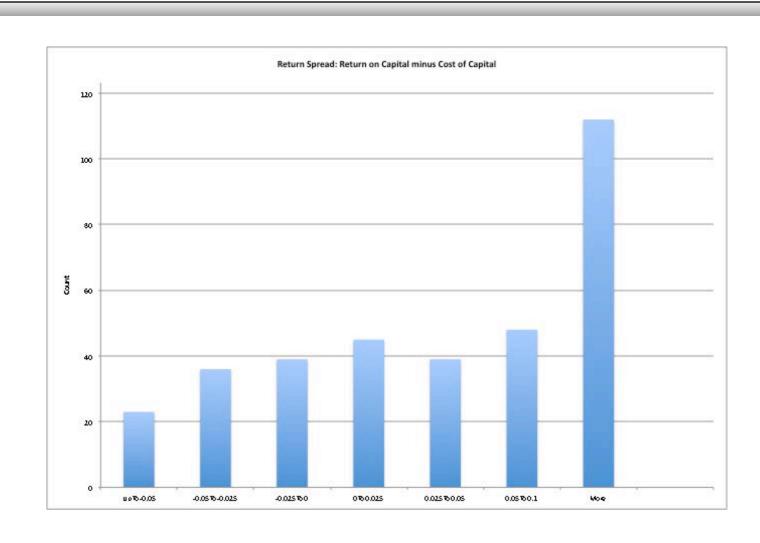
Distribution of Current Market Value Debt Ratios



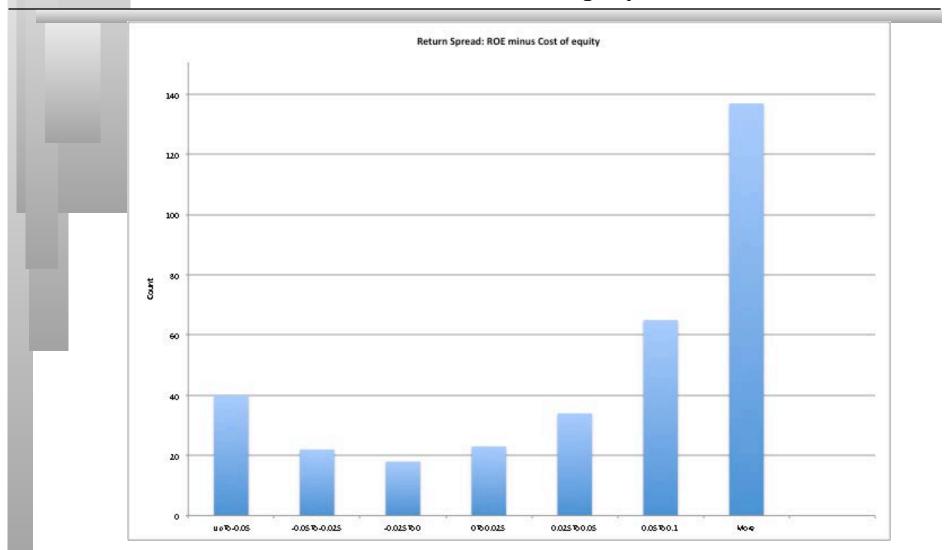
IV. The Quality of Investments: The Firm View



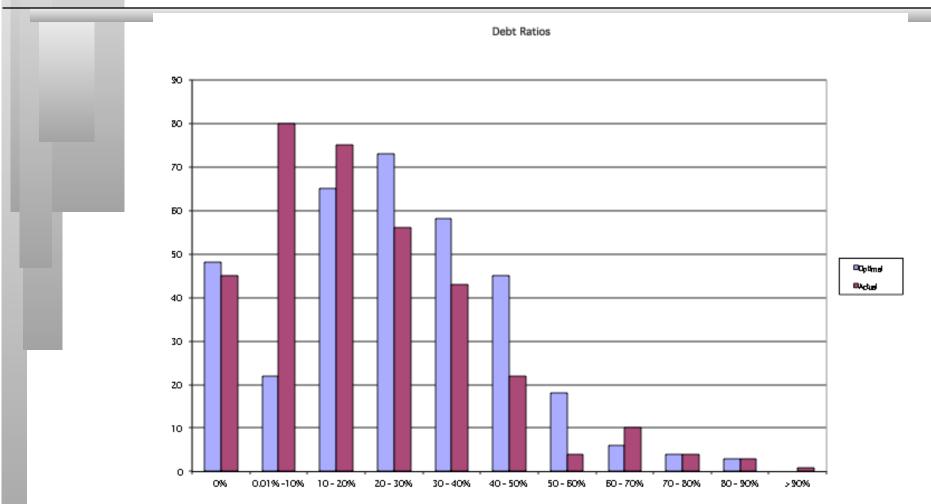
ROC versus Cost of Capital



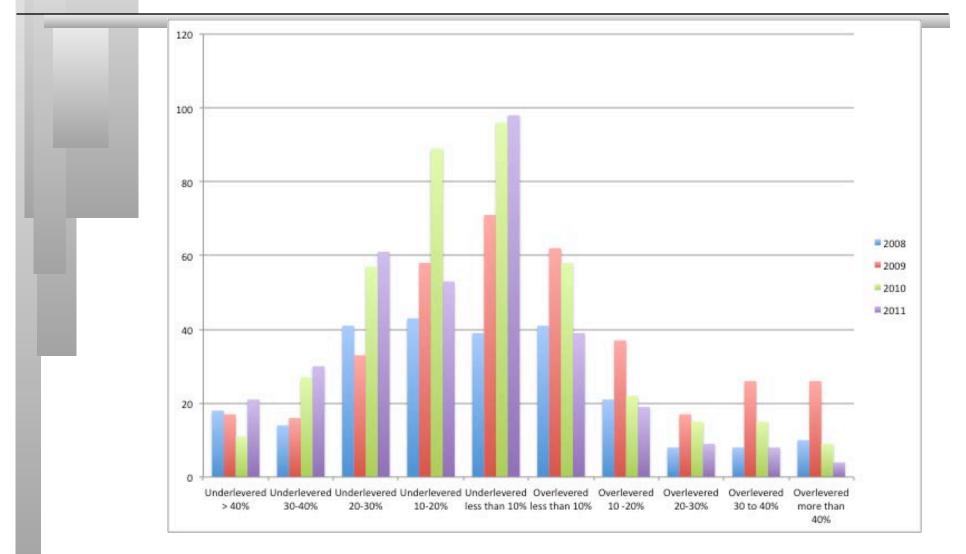
ROE versus Cost of Equity



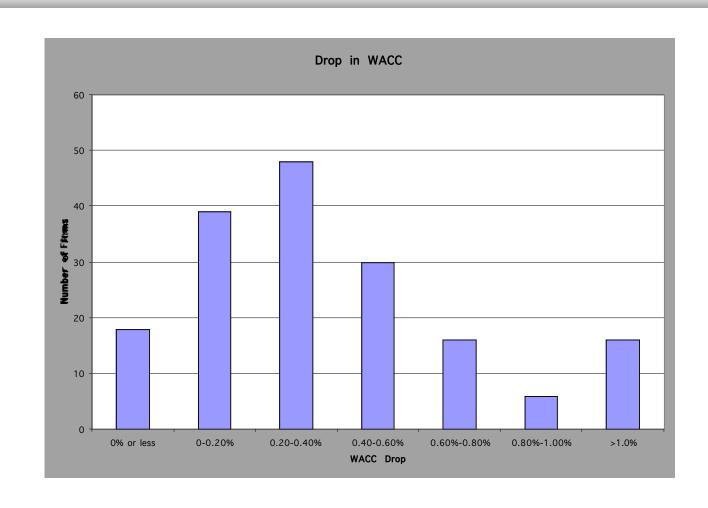
VI. The Optimal Financing Mix



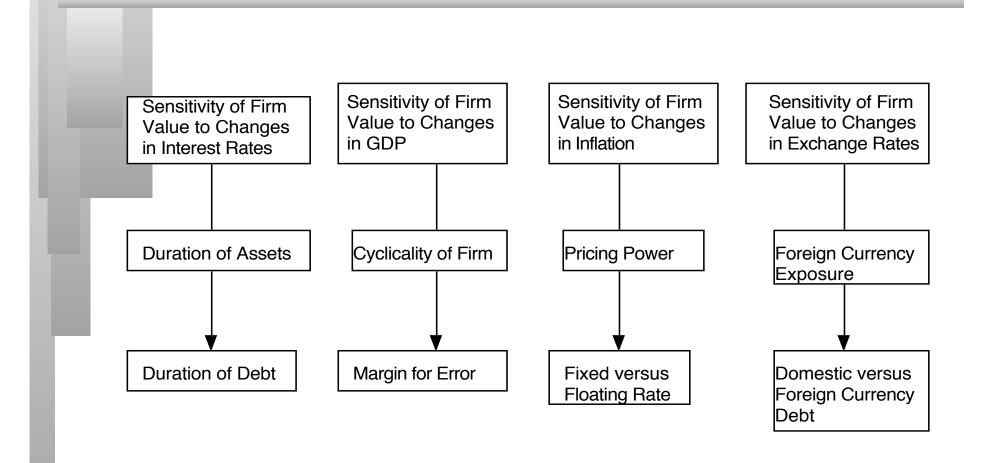
Under versus Over Levered Firms



Change in Cost of Capital



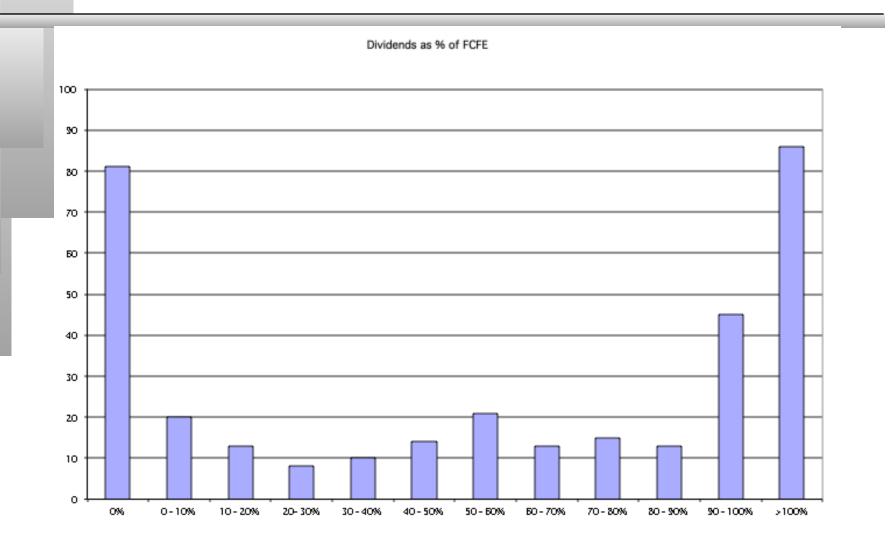
VIII. The Right Kind of Financing



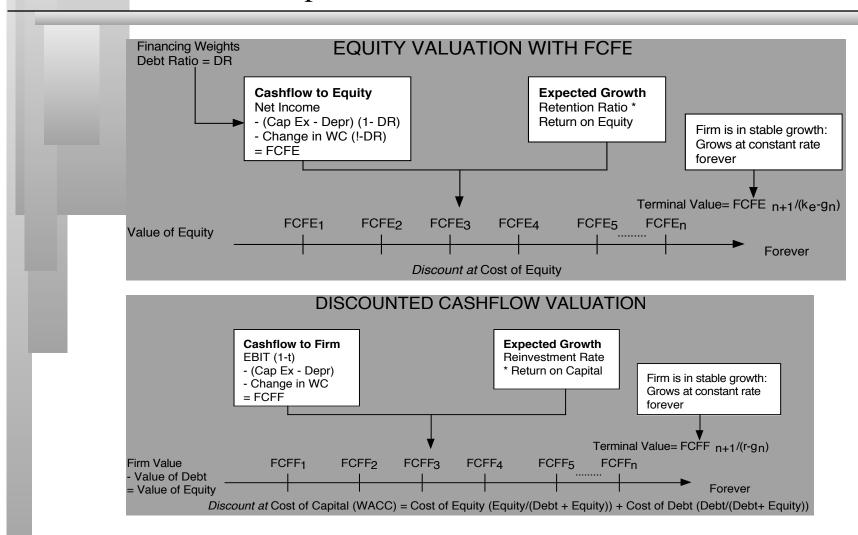
IX. Measuring Potential Dividends

Begin with the net income (which is after interest expenses and taxes) Add back the non-cash charges such as depreciation & amortization Subtract out reinvestment needs - Capital expenditures - Investments in Non-cash Working Capital (Change) Subtract out payments to non-equity investors - Principal Repayments - Preferred Stock Dividends Add any cash inflows from new debt - New Debt Issues To get to the Cash that is available for return to Owners

Dividends versus FCFE



X. Valuation: Match up cashflows and discount rates...

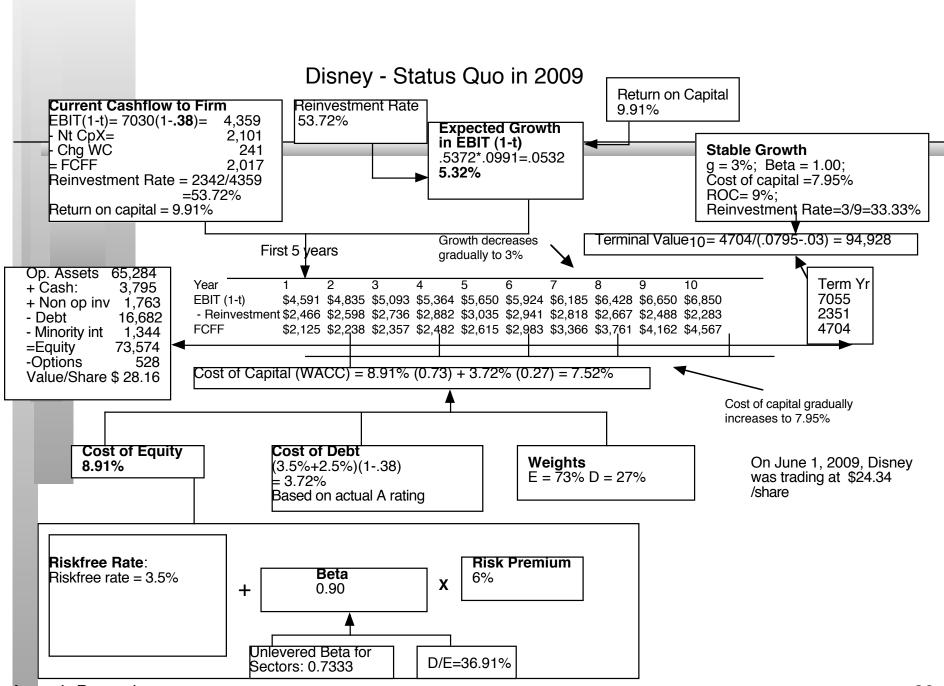


Getting to equity value per share

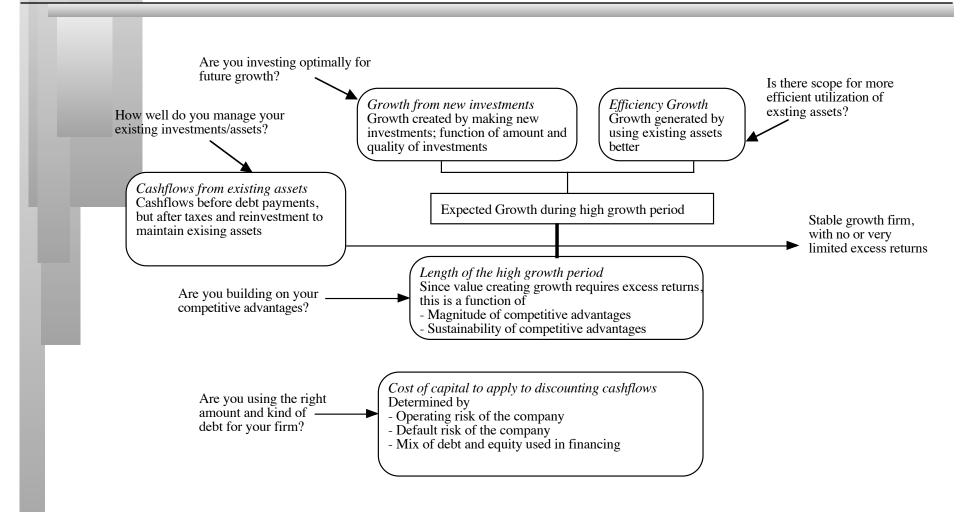
Approach used	To get to equity value per share			
Discount dividends per share at the cost of equity	Present value is value of equity per share			
Discount aggregate FCFE at the cost of equity	Present value is value of aggregate equity. Subtract the value of equity options given to managers and divide by number of shares.			
Discount aggregate FCFF at the cost of capital	PV = Value of operating assets + Cash & Near Cash investments + Value of minority cross holdings -Debt outstanding = Value of equity -Value of equity options = Value of equity in common stock / Number of shares			

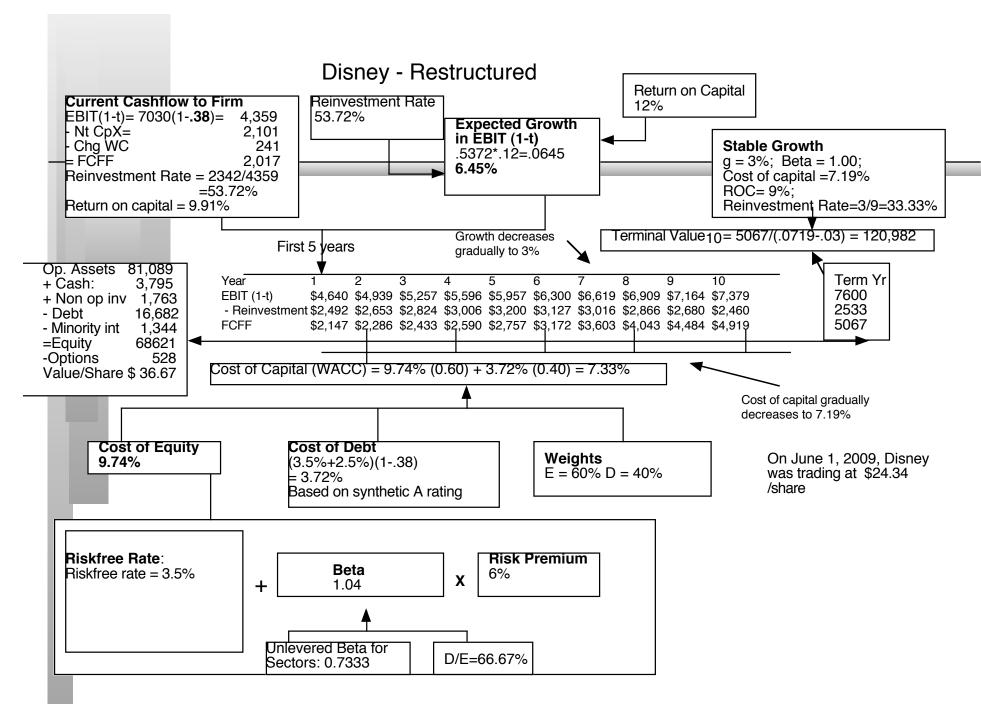
Disney: Inputs to Valuation

	High Growth Phase	Transition Phase	Stable Growth Phase				
Length of Period	5 years	5 years	Forever after 10 years				
Tax Rate	38%	38%	38%				
Return on Capital	9.91%	Declines linearly to 9%	Stable ROC of 9%				
Reinvestment Rate	53.72% (based on normalized	Declines to 33.33% as ROC	33.33% of after-tax operating				
(Net Cap Ex + Working Capital	acquisition costs)	and growth rates drop:	income, estimated from stable				
Investments/EBIT)		Reinvestment Rate = g/ROC	growth rate of 3% and return				
			on capital of 9%.				
			Reinvestment rate =				
			3/9=33.33%				
Expected Growth Rate in EBIT	ROC * Reinvestment Rate =	Linear decline to Stable	3%				
	12%*0.5318 = 6.38%	Growth Rate of 4%					
Debt/Capital Ratio	26.7%	Stays unchanged	Stays unchanged				
Risk Parameters	Beta = 0.9033 , $k_e = 8.91\%\%$	Beta increases linearly to 1.00;	Beta = 1.00 ; $k_e = 9.5\%$				
	Pre-tax Cost of Debt = 6%	Cost of debt stays at 6%	Cost of debt stays at 6%				
	Cost of capital = 7.52%	Cost of capital goes to 7.95%	Cost of capital = 7.95%				

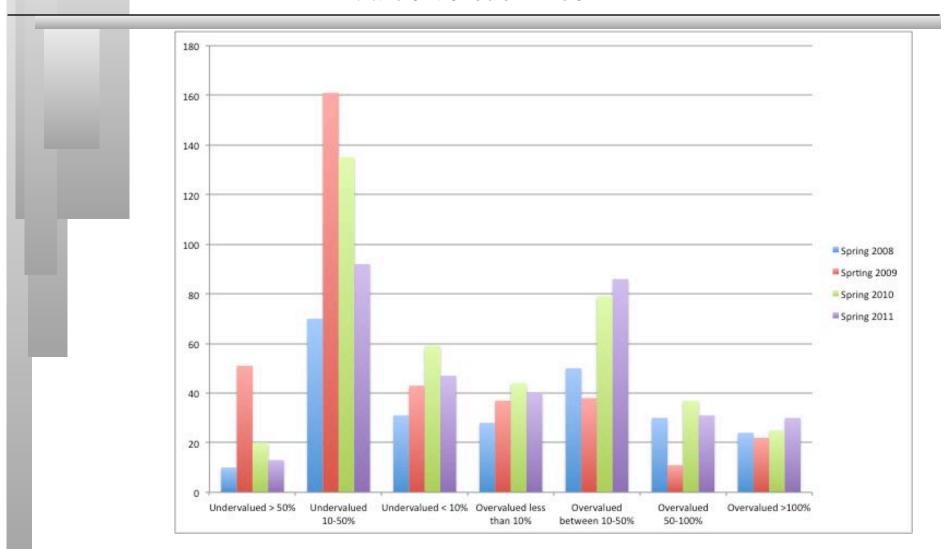


Ways of changing value...





Value versus Price



So, how do you explain the price? Its all relative..

	Ticker		Expected	
Company Name	Symbol	PE	Growth Rate	PEG
Point 360	PTSX	10.62	5.00%	2.12
Fox Entmt Group Inc	FOX	22.03	14.46%	1.52
Belo Corp. 'A'	BLC	25.65	16.00%	1.60
Hearst-Argyle Television Inc	HTV	26.72	12.90%	2.07
Journal Communications Inc.	JRN	27.94	10.00%	2.79
Saga Communic. 'A'	SGA	28.42	19.00%	1.50
Viacom Inc. 'B'	VIA/B	29.38	13.50%	2.18
Pixar	PIXR	29.80	16.50%	1.81
Disney (Walt)	DIS	29.87	12.00%	2.49
Westwood One	WON	32.59	19.50%	1.67
World Wrestling Ent.	WWE	33.52	20.00%	1.68
Cox Radio 'A' Inc	CXR	33.76	18.70%	1.81
Beasley Broadcast Group Inc	BBGI	34.06	15.23%	2.24
Entercom Comm. Corp	ETM	36.11	15.43%	2.34
Liberty Corp.	LC	37.54	19.50%	1.92
Ballantyne of Omaha Inc	BTNE	55.17	17.10%	3.23
Regent Communications Inc	RGCI	57.84	22.67%	2.55
Emmis Communications	EMMS	74.89	16.50%	4.54
Cumulus Media Inc	CMLS	94.35	23.30%	4.05
Univision Communic.	UVN	122.76	24.50%	5.01
Salem Communications Corp	SALM	145.67	28.75%	5.07
Average for sector		47.08	17.17%	2.74

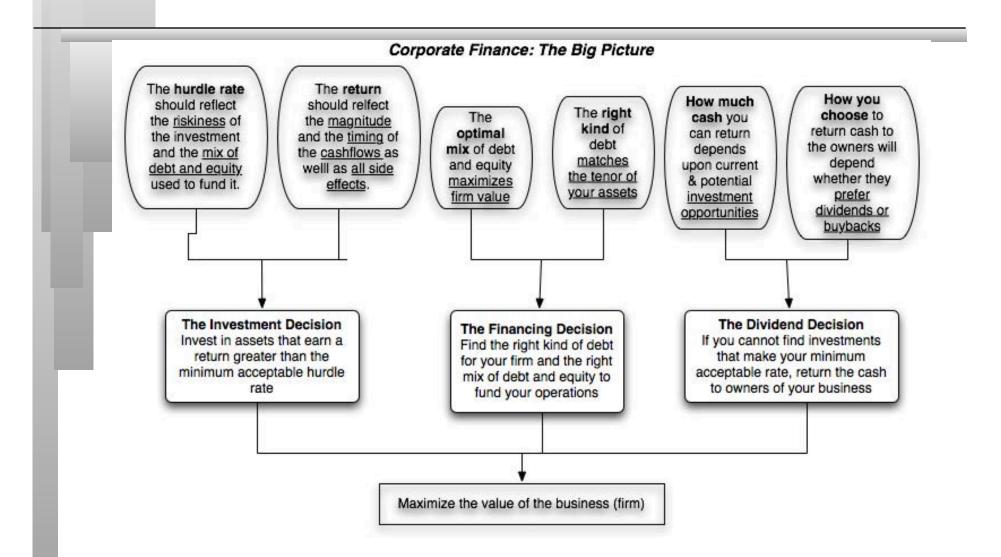
Most undervalued stocks!!

Company	Val	Value/share Price/Share				
First Solar	\$	750.55	\$	129.96		
Air Arabia	\$	2.72	\$	0.72		
Mullen Group	\$	74.33	\$	21.04		
Seven & I Holding	\$	73.28	\$	25.54		
First Solar	\$	372.56	\$	129.96		
Best Buy	\$	86.39	\$	31.00		
Chiquita	\$	37.94	\$	15.34		
Eagle	\$	7.72	\$	3.14		
Quest Diagnostics	\$	124.91	\$	56.49		
Conoco Phillips	\$	144.04	\$	72.94		
Freeport-McMoRan Copper & Gold Inc		\$98.14		\$49.85		
Gap	\$	44.29	\$	22.60		
Best Buy	\$	60.13	\$	31.00		

The Triple Whammy: Underlevered, Cash Build-up and Under valued?

Company	Power	Beta	Jensen's Alpha	ROE - COE	ROC - WACC	Current Debt ratio	Optimal Debt Ratio	Dividends	FCFE	Value/share	Pr	ice/Share
BP	1	1.06	-17.04%	8.84%	2.83%	26.59%	40.00%	6,838,000,000	8,081,000,000		\$	45.30
First Solar	1	1.02	83%	10%	9%	1%	20%	\$ -	\$ 34.47	\$ 750.55	\$	129.96
Seven & I Holding	1	0.298	323.95%	0.43%	2.10%	38.50%	70.00%	1134.6	9343.4	\$ 73.28	\$	25.54
Quest Diagnostics	2	0.58	0.99%	9.12%	7.04%	30.14%	60.00%	\$470.88	\$686.34	\$ 124.91	\$	56.49
Nintendo (Japan)	0	1.2	21.62%	9.89%	9.61%	0.20%	50.00%	¥114,050.80	¥204,241	¥38,404		¥19,950
Nintendo	0	1.2	21.62%	9.89%	9.61%	0.20%	50.00%	¥114,050.80	¥204,241	¥38,404		¥19,950
Hansen Natural	0	0.86	28.37%	28.72%	48.51%	0.53%	40.00%	\$ 85.00	\$ 120.20	\$ 121.02	\$	64.74
Handsome	0	0.636	36.09%	4.64%	3.05%	0.00%	20.00%	4.39	48.51	\$37,778.00	\$2	21,650.00
Halliburton	0	1.42	2.59%	16.57%	8.49%	12.11%	40.00%	271.8	737.4	\$ 78.01	\$	46.67
Archer Daniels Midland	1	0.97	0.03%	5.45%	2.52%	39.31%	60.00%	472	1713.19	\$53.08		\$33.97
Cisco	0	1.02	5.63%	9.71%	7.88%	14.42%	30.00%	7578	7720	\$ 27.09	\$	17.56
Coach	1	1.37	22.84%	-7.79%	-7.35%	5.46%	30%	756.99	802.3	88.15		59.61
Gilead Sciences	2	0.68	7.84%	37.27%	32.79%	10.30%	50.00%	\$1,604.63	\$1,966.99	\$ 60.64	\$	41.35
Sysco Corporation	2	0.81	-0.14%	28.46%	14.76%	14.97%	60.00%	\$579.76	\$1,326.79	\$41.47		\$28.51
Exelon	2	0.64	-23.11%	15.80%	11.74%	35.18%	90.00%	1638	2148.4	\$ 58.05	\$	42.17
First Solar	2	1.659770568	-27.75%	7.30%	22.44%	1.92%	40.00%	0	\$ 1,082.94	\$ 176.50	\$	129.96
Adobe	2	1.1167	5.00%	5.85%	1.05%	9.09%	20.00%	1038.5	1261	\$ 44.86	\$	33.40
Kraft Foods	2	0.63	10.36%	6.03%	1.86%	33.89%	50.00%	\$2,897.80	\$6,015.60	\$ 41.44	\$	31.26
Whole Foods (WFM)	2	0.66	0.20%	5.04%	0.72%	8.01%	30.00%	62.8	82.24	\$80.01	1	\$61.57
Hasbro	2	0.901	20.10%	17.13%	10.04%	24.80%	50.00%	\$ 104.20	\$ 455,850,000	\$ 60.46	\$	46.84
The Gap	1	2.06	17.19%	15.59%	10.75%	24.38%	70.00%	10152	10501	\$ 28.63	\$	22.60
Comcast	0	1.32	6.81%	-2.87%	-1.69%	37.00%	50.00%	1631	2021	\$ 31.82	\$	25.44
Nike	0	0.85	15.12%	11.13%	16.34%	4.73%	30.00%	\$877.28	\$1,762.35	\$102.03	5	\$82.02
Ralph Lauren	1	1.34	39.80%	8.27%	2.55%	12.77%	30.00%	\$255.70	\$466.70	\$ 159.59	\$	129.61
Colgate-Palmolive	2	0.43	7.76%	72.83%	39.61%	9.98%	60.00%	\$843.42	\$1,607.58	\$ 104.36	\$	84.88
Chevron	1	1.01	5.14%	9.72%	8.23%	5.60%	40.00%	4,107,000,000	7,370,300,000	\$ 127.31	\$	103.77
Apple	1	1.24	35.38%	35.26%	32.53%	0.50%	60.00%	0	33898	\$ 429.22	\$	350.70
Medtronic	1	0.911	41.39%	12.51%	8.07%	13.65%	30.00%	1537	3177	\$ 52.23	\$	42.69
Smucker	3	0.87	0.43%	46.73%	2.37%	14.59%	50.00%	260.36	483.71	\$ 88.64	\$	74.04
TimeWarner, Inc.	1	1.59	9.40%	-16.31%	-0.42%	36.13%	60.00%	506.00	3334.00	\$ 43.20	\$	36.20
HTC	1	1.37	46.15%	33.28%	33.28%	0.00%	20.00%	\$613.0	\$1,023.0	\$49.0		\$42.5
Bombardier	1	1.26	-10.70%	3.80%	0.80%	29.20%	50.00%	159.2	172.6	\$ 7.31	\$	6.42
Apple	0	1.075	45.31%	102.82%	35.25%	0.54%	30%	194.00	5536.20	\$ 390.56	\$	346.66
DirecTV	1	1.1	1.61%	31.17%	8.19%	21.95%	50.00%	0	2028	\$ 54.58	\$	48.57

First Principles



Objectives of this class

- If you get the big picture, the details will come (sooner or later)
- Tools are useful but only in the larger context of answering bigger questions.
- Corporate finance is not so bad !!!

And don't forget your CFEs...

1. This course was mentally cha	llenging/intelled	ctually stimulati	ing.	7					
No-brainer!				Brilliant insights!					
2. This course was demanding of 1 2 3 What work?	f my time. 4	5	6	7 Haven't slept all semester.					
3. This course provided me with tools and information that I will find useful in the future.									
1 2 3 4 Only in prison	5	6	7	Completely relevant					
4. Overall evaluation of the could 1 2 3 Horrible! (I want my money back	4	5	6	7 Stupendous!					
5. The instructor was organized 1 2 3 Had trouble finding classroom	and well prepa 4	red for class. 5	6	7 Scarily efficient!					
6. The instructor communicated	his/her ideas ar	nd material wel	l.						
1 2 3 Garbled gobbledygook!	4	5	6	7 Should have own TV show					
7. The instructor was enthusiast 1 2 3 Dead man talking!	ic about his/her 4	subject matter. 5	6	7 I am a convert					
8. Overall evaluation of the install 1 2 3 Dog!	tructor 4	5	6	7 Star!					