CORPORATE FINANCE: SPRING 2015

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Ponderous Thoughts, or maybe not

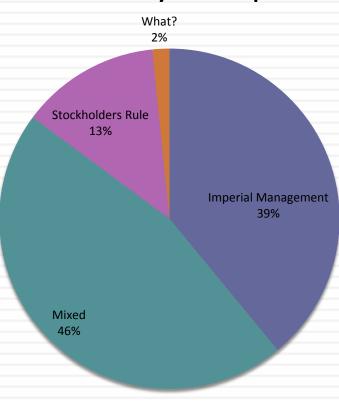
- 1. There are few facts and lots of opinions.
 - a. Even the givens (cash & risk free rate) are not.
 - b. With accounting and market numbers, all bets are off.
- 2. The real world is a messy place.
 - a. Money making firms can become money losers
 - b. Companies can be restructured/ given facelifts
- Models don't compute values and optimal paths. You do.
- 4. Change is the only constant. Everything changes all the time.

The Breakdown in the Classical Objective Function

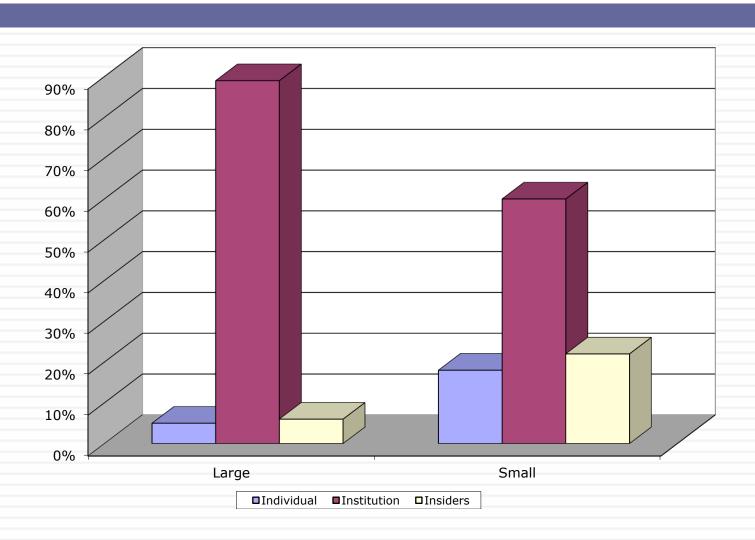


I. Where does the power lie?

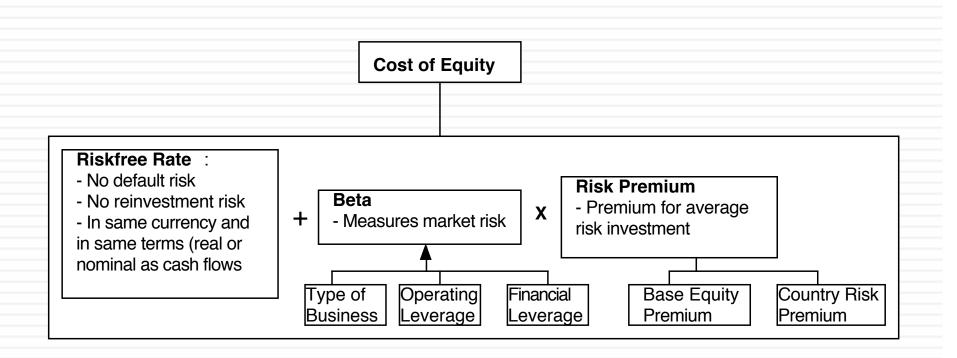
The Power in your Companies



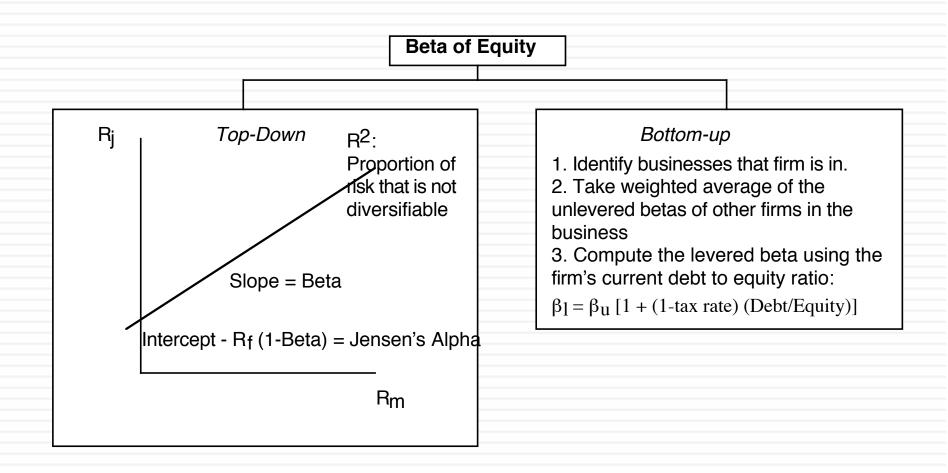
II. Who is your marginal investor? From Spring 2014



III. Risk Profiles and Costs of Equity

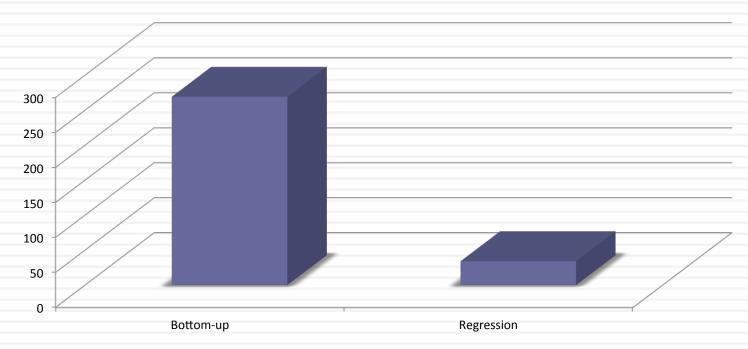


Beta: The Standard Approach



Regression Estimation Approaches

Beta Approach: Spring 2015

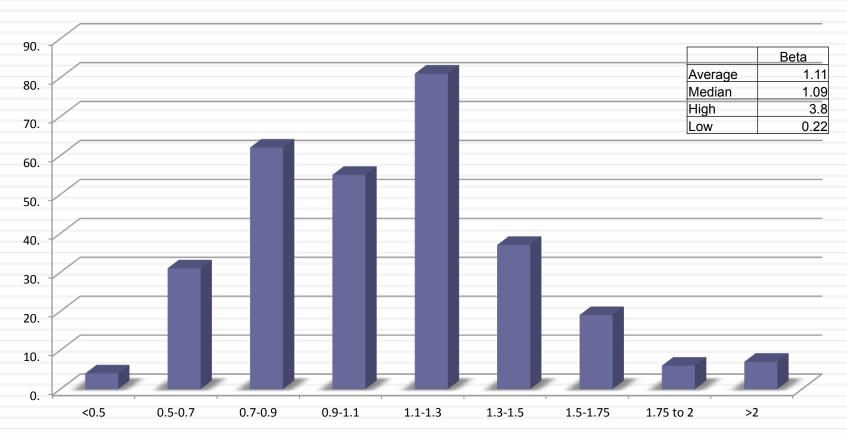


Typical reasons

- 1. My company is unique. I cannot find comparable firms.
- 2. My company is in only one line of business
- 3. My bottom-up beta is too different from my regression beta

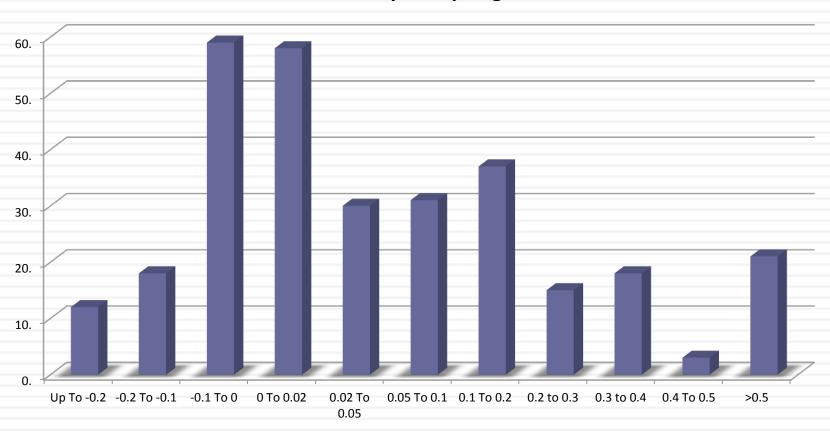
Beta Distribution



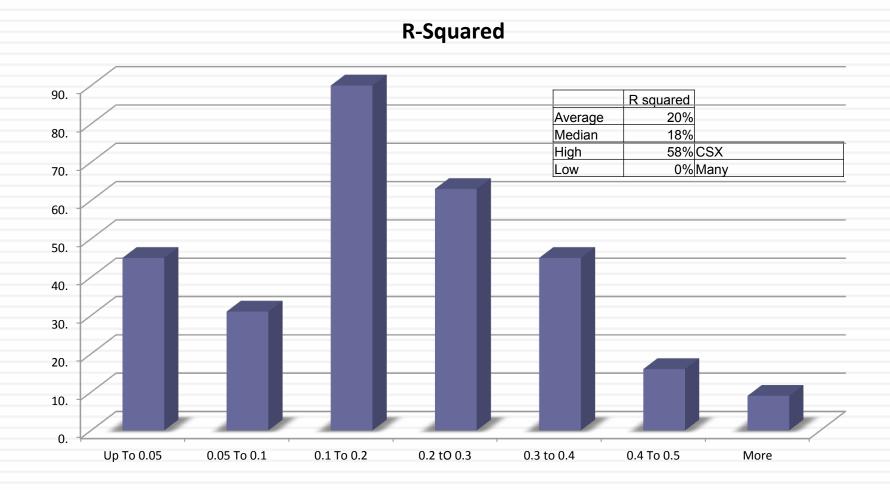


Jensen's Alpha Distribution

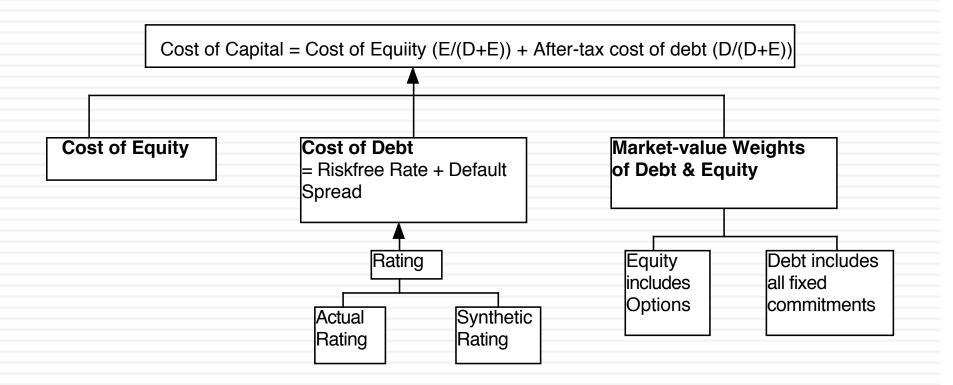




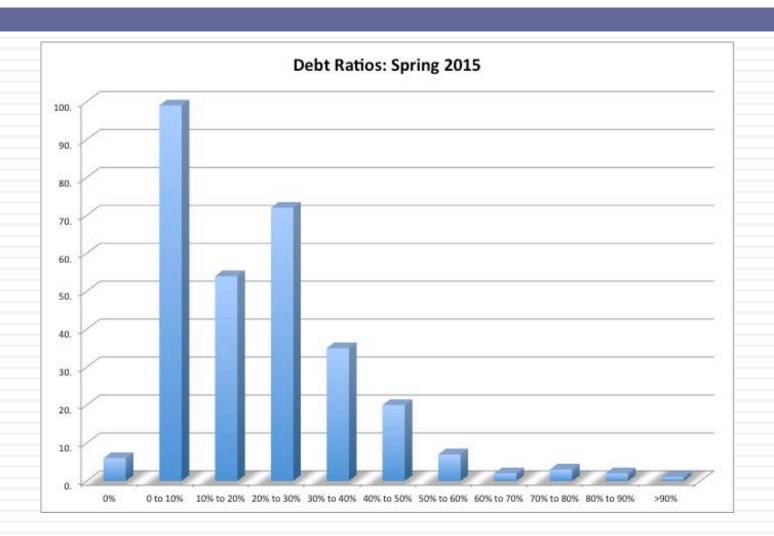
R Squared



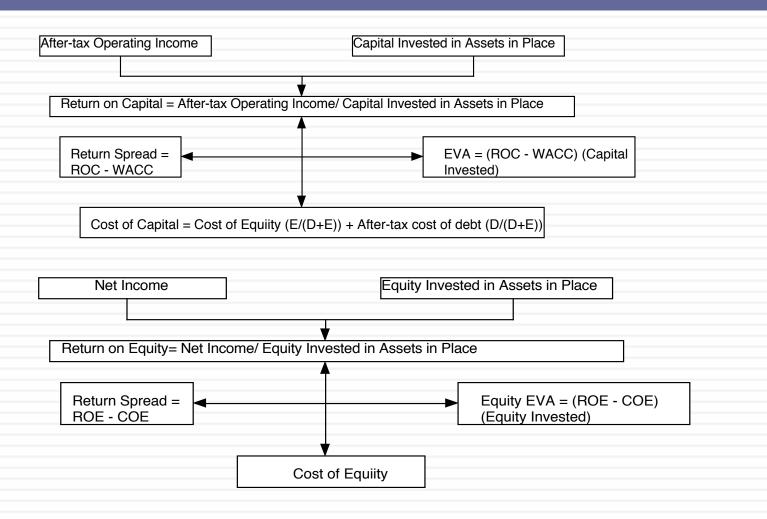
Cost of Capital



Distribution of Current Market Value Debt Ratios

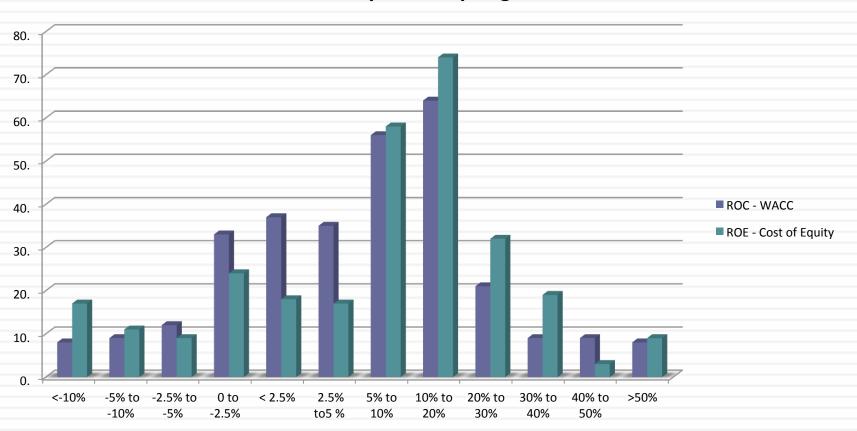


IV. The Quality of Investments: The Firm View



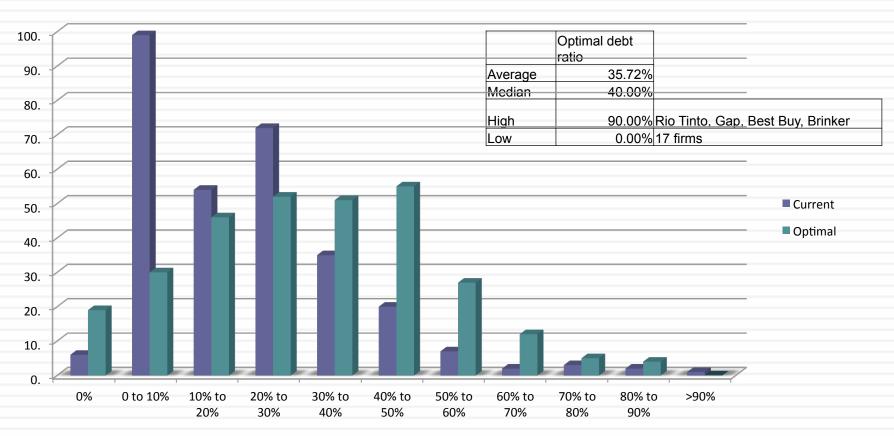
Return Spreads





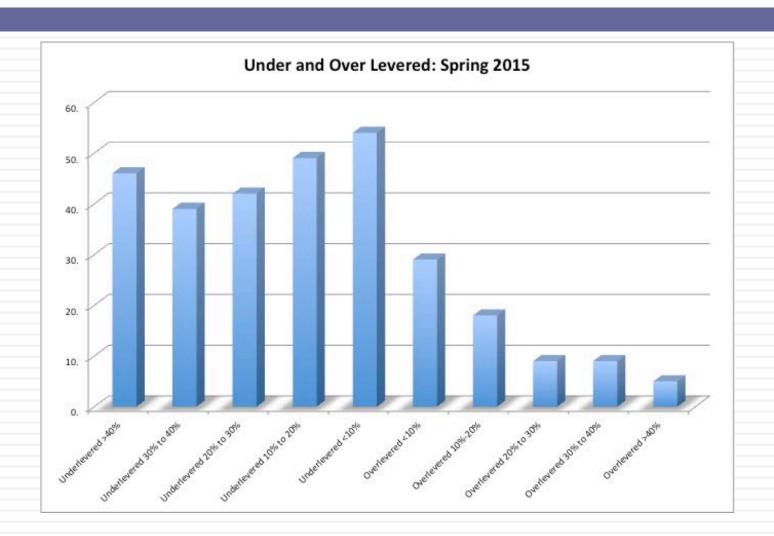
VI. The Optimal Financing Mix



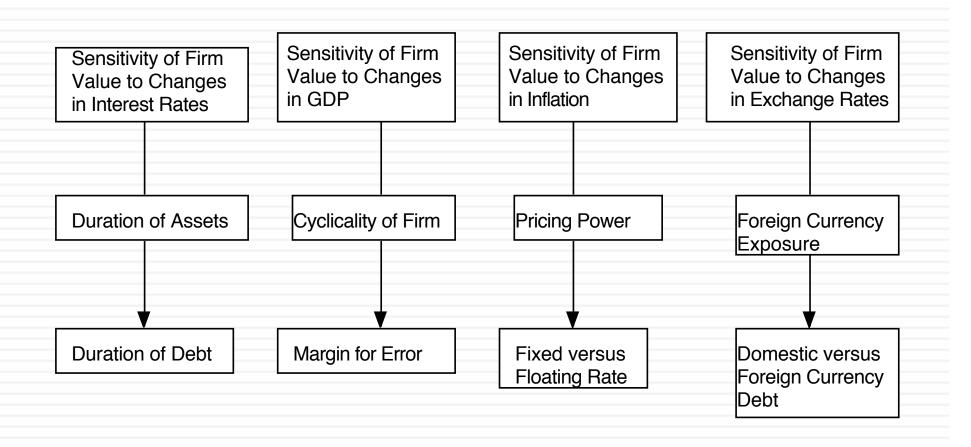


Under versus Over Levered Firms

	Under or over levered	
Average	-15.35%	
Median	-15.14%	
Low	-79%	KDE
High	+80%	Lionsgate



VIII. The Right Kind of Financing

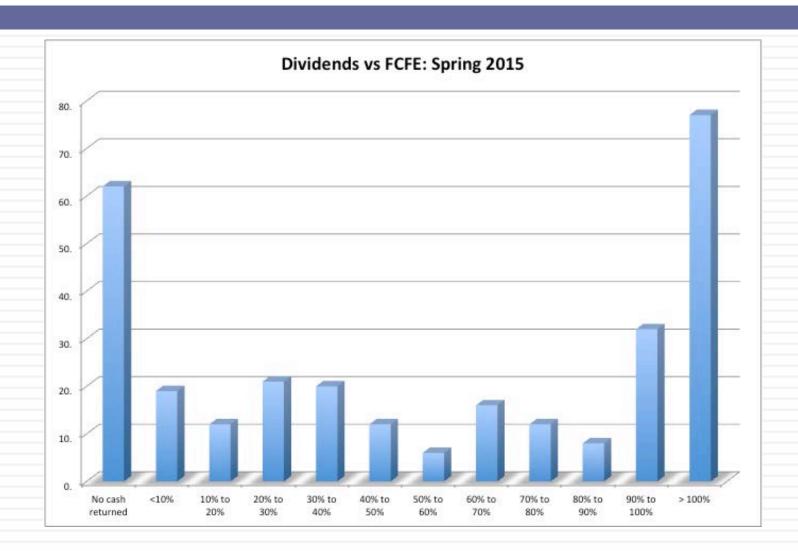


IX. Measuring Potential Dividends

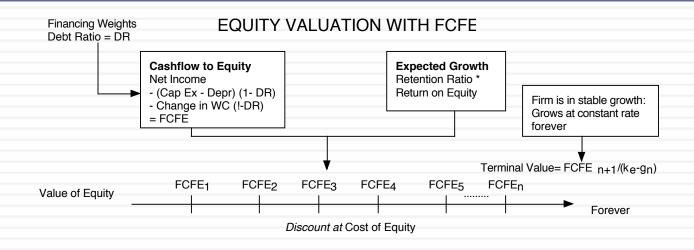
Begin with the net income (which is after interest expenses and taxes) Add back the non-cash charges such as depreciation & amortization Subtract out reinvestment needs - Capital expenditures - Investments in Non-cash Working Capital (Change) Subtract out payments to non-equity investors - Principal 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

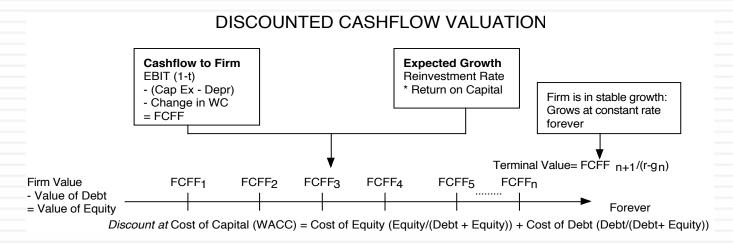
Dividends versus FCFE

	FCFE/Dividends
Average	87%
Median	55%



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

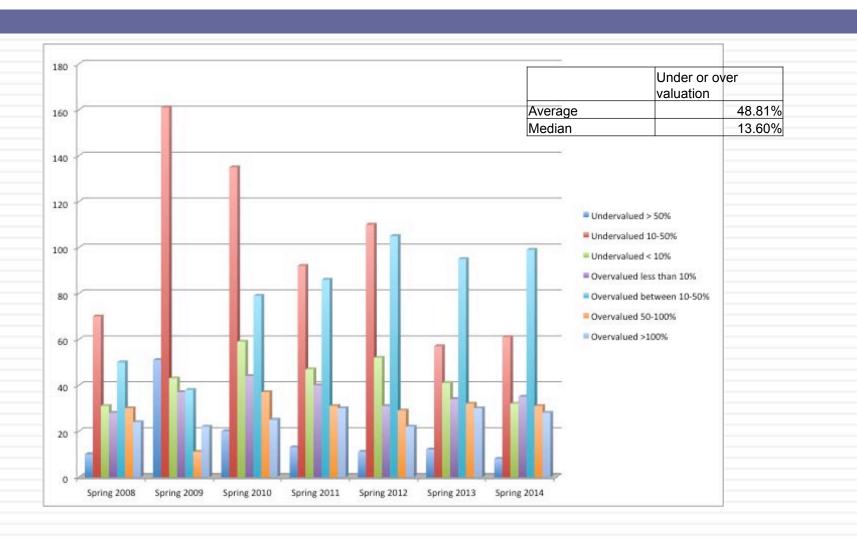




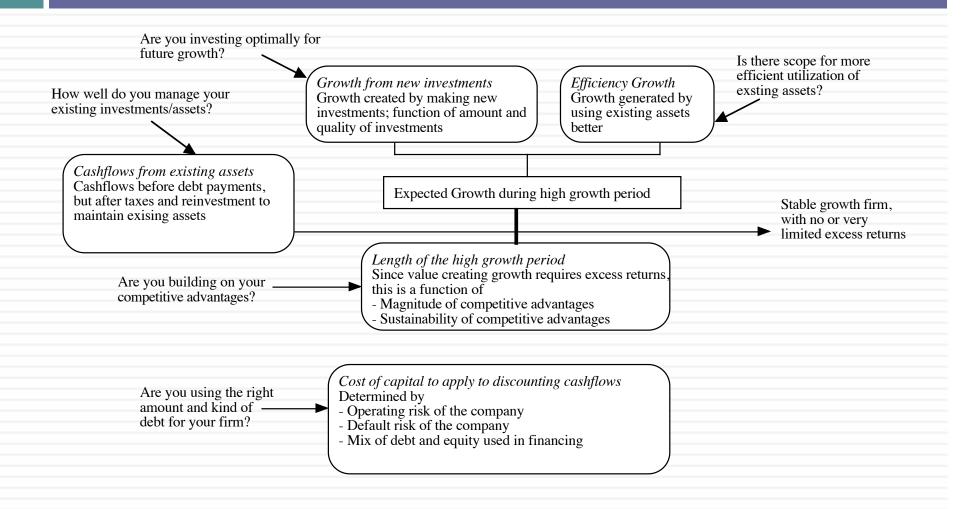
Getting to equity value per share

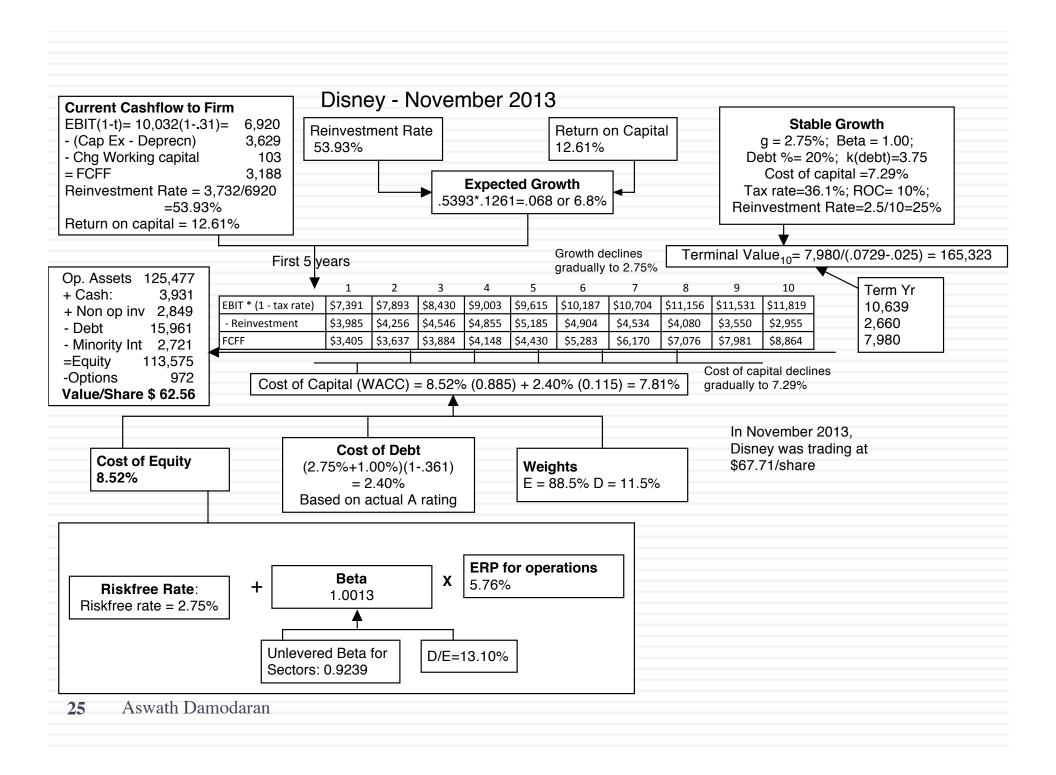
Approach used	To get to equity value per share
Discount dividends per share at the cost of equity	Present value is value of equity per share
Discount aggregate FCFE at the cost of equity	Present value is value of aggregate equity. Subtract the value of equity options given to managers and divide by number 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

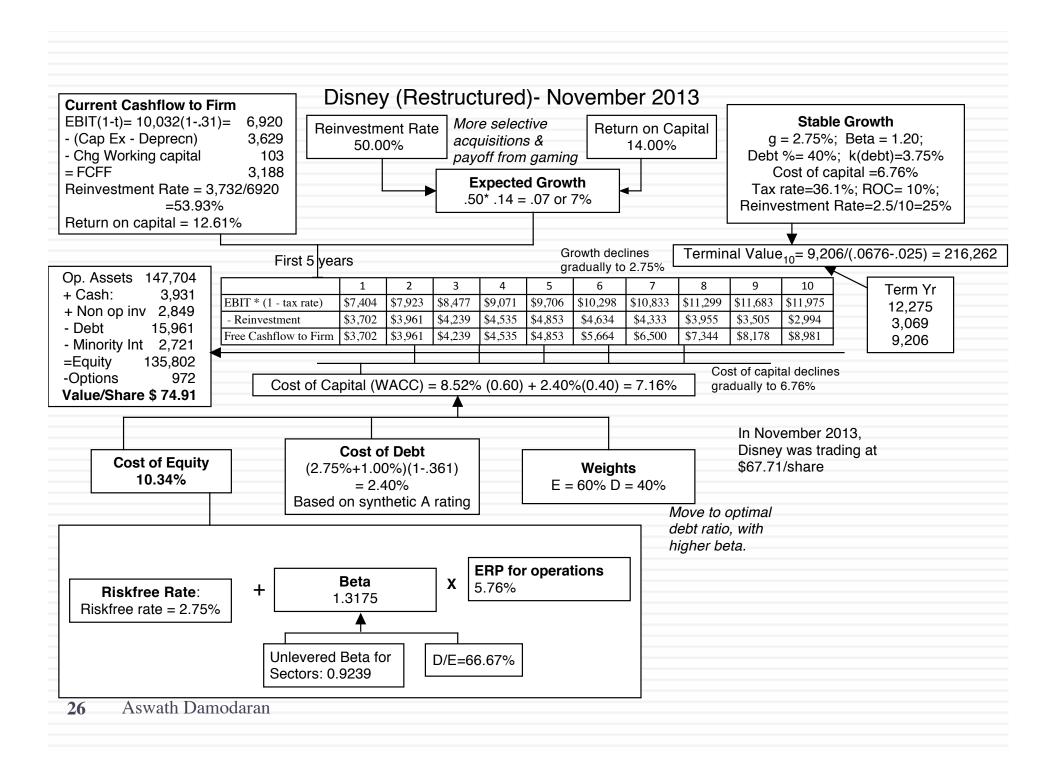
Value versus Price



Ways of changing value...







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

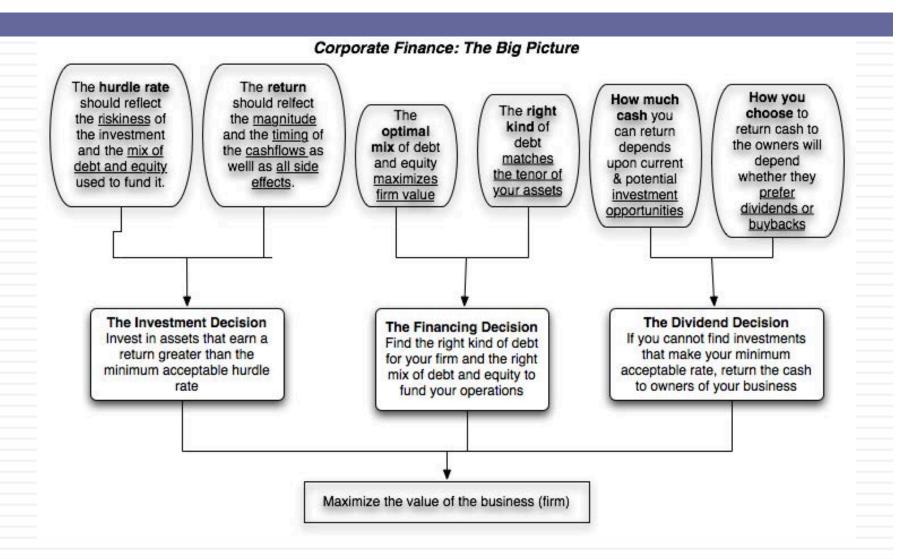
Most undervalued stocks!!

Company	Val	ue/share	Pri	ce/Share	Price/Value
DirecTV	\$	81.84	\$	7.50	9.16%
Asics	\$	156.03	\$	25.61	16.41%
GoPro	\$	59.81	\$	16.11	26.94%
Time Warner	\$	62.83	\$	21.40	34.06%
Panera Bread Company	\$	470.13	\$	184.36	39.21%
Facebook	\$	55.15	\$	23.38	42.39%
Dreamworks	\$	16.72	\$	7.52	44.98%
Apple	\$	222.09	\$	105.11	47.33%
Abercrombie and Fitch	\$	44.43	\$	22.31	50.21%
Mind CTI		\$5.85		\$3.07	52.48%
Apple	\$	216.77	\$	127.60	58.86%

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

Company	ROE - COE	ROC - WACC	EVA	urrent Debt ratiotin	mal Debt Rat	Dividends	FCFE	Value/share	Price/Share
Container Store	9.69%	7.99%	-\$ 6.74	25.65%	40.00%	\$ -	\$ 7.42	-\$ 1.56	\$ 18.42
Youngone Corp	2.69%	7.63%	\$ 51.80	2.31%	30.00%	7.56	23.5	\$ 1,614.57	\$ 60.93
Asics	1.40%	-0.89%	\$ 3.62	14.83%	30.00%	\$ 22.68	\$ 513.50	\$ 156.03	\$ 25.61
Facebook	9.77%	59.12%	\$ 2,377.00	0.53%	20.00%	0	2901	\$ 55.15	\$ 23.38
Apple	27.39%	21.49%	\$ 27,229.00	5.43%	60.00%	11,126	31,108.44	\$ 222.09	\$ 105.11
Abercrombie and Fitch	-8.87%	-3.53%	\$ (1.83)	55.58%	70%	0.8	57.4	\$ 44.43	\$ 22.31
Apple	28.88%	30.59%	\$ 32,214.00	4.99%	40.00%	16,739	34,344	\$ 216.77	\$ 127.60
Apple	35.73%	27.09%	\$14,962	3.98%	30.00%	92038	228924	\$ 202.32	\$127.62
Michael Kors	38.16%	65.58%	\$ 616.20	12.35%	60.00%	135.23	311.66	\$ 95.62	\$ 62.51
Diageo	27.68%	53.01%	\$ 1,980.91	23%	50.00%	\$236.42	\$593.34	\$ 178.20	\$ 122.30
Whole Foods	11.23%	0.46%	\$ 50.29	26.34%	40.00%	\$ 106.92	\$ 1,069.08	\$ 61.46	\$ 42.58
Whole Foods	11.23%	0.46%	\$ 50.29	26.34%	40.00%	\$ 106.92	\$ 1,069.08	\$ 61.46	\$ 42.58
Ubiquiti Networks	101.18%	98.15%	\$197.28	3.96%	40.00%	60	195	\$40.26	\$28.40
GAP	33.97%	49.87%	\$ 11,131.00	32.15%	80.00%	286	1417	\$ 51.09	\$ 39.61
Norfolk Southern	7.31%	-2.50%	\$1,850.28	29.13%	80%	\$1,446.80	\$841.30	\$127.50	\$101.10
Best Buy	14.97%	3.65%	\$ 1,101.72	29.55%	90.00%	1501	9117	\$ 44.72	\$ 36.17
Micron Tecnology Inc.	19.00%	4.60%	\$ 2,494.20	14.90%	30.00%	88.4	1149	\$ 34.48	\$ 28.13
Nestle	23.15%	15.00%	\$ 8,960.00	7.21%	50.00%	\$ 6,009.50	\$ 20,668.45	\$ 88.99	\$ 72.90
Brunswick	11.92%	10.11%	\$157.29	10.99%	40%	\$16.84	\$41.86	\$66.16	\$54.49
Matson	16.26%	15.12%	82.2	21.76%	40.00%	\$ 31.67	\$ 152.90	49.73	41.18
Mednax	-0.80%	0.51%	-\$ 18.05	9.08%	50.00%	0	275.8	\$ 141.34	\$ 118.43
First Solar	-0.69%	5.18%	\$ 277.00	4.41%	40.00%	0	551	\$ 67.24	\$ 56.37
Schlumberger	5.80%	3.53%	\$ 1,738.00	11.60%	60.00%	20308	28651	\$ 107.80	\$ 91.30
Lululemon	11.27%	5.37%	\$ 58.47	4.80%	30.00%	\$ 3.43	\$ 117.30	\$ 76.88	\$ 65.49
Tyson Foods	3.43%	2.76%	\$ 26.05	47.90%	70.00%	\$ 355.54	\$ 862.00	\$ 47.30	\$ 40.39
Matson, Inc.	16.27%	12.52%	\$ 78.15	21.76%	40.00%	\$95	458.7	\$ 49.73	\$ 43.02
Ralph Lauren	19.48%	19.01%	\$583.77	18.27%	70.00%	149	\$3,397.50	\$ 158.73	\$ 137.84
LVMH	14.22%	5.17%	\$ 1,636.00	13.52%	70.00%	1819	5847	\$ 200.20	\$ 180.14

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 co	ourse was mental	ly challenging/int	ellectually stimula	ating.			
1	2	3	4	5	6	7	
No-brainer	!					Brilliant insights!	
2.	This course was	demanding of m	v time.				
1		3	4	5	6	7	
_		3	4	5	•	,	
What work					Haven't slept all ser		
3.	This course p	provided me w	ith tools and in	formation that	I will find usef	ul in the future	2.
1	2	3	4	5	6	7	
Only in pris						Completely relevant	
4.	Overall evalu	uation of the co	nurse				
	C retail evale	2	3	4	5	C	_
1		_	3	4		6	7
,	I want my money back				Stupendous!		
5.	The instructo	or was organize	ed and well pre	pared for class	•		
1		2	3	4	5	6	7
Had troubl	e finding classroom				Scarily efficient!		
6	The instructo	or communicat	ed his/her idea	s and material	well		
	The mstracto		-			6	_
-		2	3	4	5	b	/
Garbled go	bbledygook!				Should have own TV	show	
7.	The instructo	or was enthusia	astic about his/	her subject ma	itter.		
1		2	3	4	5	6	7
Dead man	talking!					I am a convert	
8.		ation of the in	ctructor				
2	3	4	5	6	7		
Dog!						Star!	