PROJECT WORKBOOK THE INDIA 2015 EDITION

"Talk is cheap. Time for action"

Data Packet

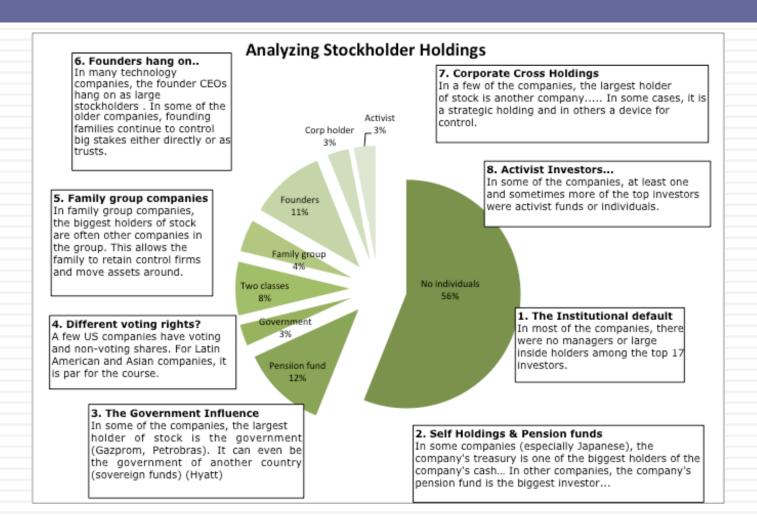
- Page 1: HDS (Bloomberg) Top 17 stockholders
- Page 2: Beta (Bloomberg) 2 year weekly return beta
- Pages 3-7: DES (Bloomberg) 5 page description of your company
- Page 8: FA Summary financial information for your company
- Page 9: CRPR Bond Rating or Bloomberg Default Risk Assessement
- Page 10 : DDIS: Debt due table (with maturities)
- Checklist before you start
 - What country is your company incorporated in?
 - What currency are the financial statements in? (Not necessarily in the local currency)
 - What currency is your market capitalization and stock price stated in?
 (May not match the currency of the financial statements)
 - What was the most recent fiscal year? (For most of your companies, it will be a year ending December... but some may have other year ends)

Source for data: Will vary across markets. 13F is SEC filing for US mutual/pension funds

Percent of outstanding shares in company

		1			/	
CLX US \$ 16	7.6968 N	Z67.69/	67.70N	2x2	/ Equ	uityHDS
	477,149 Op 68.02	-		0 67.69		32406448
CLX US Equity 94	1) Matrix 95) S	earches	96) Act	tions	Page 1/59 Ho	oldings Search
Clorox Co/The			•			JSIP 18905410
21) Sources	22) Types	23) Cour	ntries	24) Metro	Areas 25) A	dvanced Filters
Name Filter				Sort E	By Amount He	ld
Holder Name	Portfolio Name	Source	Amt Held	% Out	Latest Chg	File Dt
1) STATE STREET CORE	STATE STREET CORP	10°F	7,146,776	5.42	-17,404	9/30/11 ☎
2) T ROWE PRICE ASSO	CIAT ROWE PRICE ASSO	13F	5,720,708	4.34	-932,710	9/30/11 ■
3) ICAHN CAPITAL LP	n/a	13D	5,269,902	4.00	-409,040	12/1/11 ⊠
4) VANGUARD GROUP I	NC VANGUARD GROUP I	13F	5,245,936	3.98	14,804	9/30/11 □
5) BANK OF NEW YORK	MELIBANK OF NEW YORK	13F	3,598,774	2.73	534,429	9/30/11 ■
6) BLACKROCK INSTIT	UTI BLACKROCK INSTITI	J 13F	3,292,072	2.50	99,924	9/30/11 ■
7) CEDAR ROCK CAPITA	AL L CEDAR ROCK CAPITA	13F	3,039,579	2.30	0	9/30/11 ☎
8) BLACKROCK FUND A	DVI BLACKROCK FUND A	13F	3,037,674	2.30	260,898	9/30/11 □
9) YACKTMAN ASSET M	iana yacktman asset m	13F	2,838,416	2.15	43,451	9/30/11 □
10) AMERICAN CENTURY	CO AMERICAN CENTURY	13F	2,482,939	1.88	547,080	9/30/11 ⊠
11) NORTHERN TRUST C	ORP NORTHERN TRUST C	13F	1,626,955	1.23	21,579	9/30/11 =
12) BANK OF AMERICA (OR BANK OF AMERICA	13F	1,494,001	1.13	-154,787	9/30/11 □
13) WELLS FARGO ADVIS	SOR WELLS FARGO ADVIS	13F	1,492,126	1.13	205,296	9/30/11 □
14) ICAHN ASSOCIATES	COR n/a	13D	1,317,476	1.00	-10,721,720	12/1/11
15) ANCHOR CAPITAL A	DVISANCHOR CAPITAL AL	13F	1,043,507	0.79	-375,230	9/30/11 ■
16) HUSSMAN ECONOME	TRICHUSSMAN ECONOMET	13F	921,000	0.70	-477,000	9/30/11 ■
17) PRINCIPAL FINANCI		13F	860,976	0.65	9,528	9/30/11 ■
26) Latest Chg (27) Hist He						n Page 38.23
Australia 61 2 9777 8600 Japan 81 3 3201 8900	Brazil 5511 3048 4500 Eu Singapore 65 6212 1000		'330 7500 Germa 212 318 2000		04 1210 Hong Kor ght 2012 Bloombo	
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The Indian Sample

Company	Biggest Holder	Holding	Other comments
Ranbaxy	Daichi Sankyo	63.13%	5 FII investors on list
Tube Investments	Murugappa Holdings	34.23%	
SKF	SKF AB	46.72%	SKF UK owns 6.45%
Titan Co	Tamilnadu Industrial Dev	27.88%	Tata holdings (23%)
Bharti Airtel	Bharthi Telecom	43.79%	7 FII investors on list
India Cements	Bank of New York	9.21%	Fronts for other holders
Brittania	Associated Biscuits	44.95%	
Reliance Industries	Life Insurance Co.	9.18%	Family owned or family run?
Dr. Reddy's Lab	Dr. Reddy's Holdings	23.33%	Blackrock favorite?
Bajaj Auto	Bajaj Holdings	31.49%	Blackrock, Vanguard
Wipro	Premji Azim Hashan	73.28%	6 FII Investors on list
Shoppers Stop	Palm Shelter Estate Dev	14.17%	4 Chandrus on list

Local Currency Government Bond Rates – July 2015

Currency	Govt Bond Rate (6/30/15)	Currency	Govt Bond Rate (6/30/15)
Australian \$	3.07%	Malyasian Ringgit	4.03%
Brazilian Reai	lian Reai 12.58% Mexicai		6.12%
British Pound	2.18%	Nigerian Naira	14.15%
Bulgarian Lev	3.15%	Norwegian Krone	1.92%
Canadian \$	1.86%	NZ \$	3.38%
Chilean Peso	4.63%	Pakistani Rupee	10.05%
Chinese Yuan	3.62%	Peruvian Sol	6.38%
Colombian Peso	7.22%	Phillipine Peso	4.38%
Croatian Kuna	3.26%	Polish Zloty	3.24%
Czech Koruna	0.92%	Romanian Leu	4.00%
Danish Krone	1.15%	Russian Ruble	11.14%
Euro	0.92%	Singapore \$	2.72%
HK\$	1.85%	South African Rand	8.30%
Hungarian Forint	3.93%	Swedish Krona	1.03%
Iceland Krona	7.10%	Swiss Franc	0.16%
Indian Rupee	7.85%	Taiwanese \$	1.51%
Indonesian Rupiah	8.31%	Thai Baht	2.97%
Israeli Shekel	2.39%	Turkish Lira	9.14%
Japanese Yen	0.45%	US\$	2.47%
Kenyan Shilling	13.02%	Venezuelan Bolivar	12.25%
Korean Won	2.48%	Vietnamese Dong	6.79%

Approach 1: Default spread from Government Bonds

	D-4			Burlana		200.4	DC.4	Day's	Mth's	Sprea
Jun 26	Red	Coupon	5*	Ratings M*	£+	Bid	Bid yield	chge yield	chge yield	U
High Yield US\$	Lieve	Cooper	-	- PAI		pree	Anima	heine	hine	- 4
Windstream Services, LLC	11/17	7.88	88-	81	88	107.44	4.53	0.01	0.18	3.8
High Yield Euro										
Carkommerts Intl BV	02/17	6.88	8	Caa1	В	94.88		0.00	0.00	
merging US\$										
Yeru	05/16	8.38	888*	A3	888+	105.95	1.25	0.01	0.01	0.5
Mexico	09/16	11.40	888+	A3	888+	112.18	1.19	0.05	0.38	0.5
legal	01/18	8.00	888-	Baa2	888	108.28	4.56	-0.08	-0.01	3.9
lussia	07/18	11.00	88+	Ba1	888-	121.65	3.52	0.02	0.16	2.8
eru	03/19	7.13	888+	A3	888+	116.32	2.55	0.02	0.26	0.8
kazil	01/21	7.88	888-	Baa2	888	104.28	4.05	0.03	0.36	2.3
Turkey	03/21	5.63		Baa3	888-	107.70	4.15	0.03	0.35	2.4
foliand	04/21	5.13	A-	A2	4	110.77	3.11	0.03	0.34	1.3
olombia	07/21	4.38	888	Baa2	888	104.38	3.59	0.03	0.25	1.8
urkey	04/26	4.25		Bas3	888-	95.45	4.85	0.05	0.23	2.3
merging Euro										
Brazil	02/15	7.38	888-	Baa2	888	111.75	0.73	0.00	0.00	0.0
Aexico	07/17	4.25	888+	A3	888+	111.13	1.50	0.00	0.00	0.8
Aexico	02/20	5.50	888+		888+	109.87	3.17	0.01	0.36	1.4
Bulgaria	09/25	5.75	88+		888-	115.89	3.89	0.03	0.39	1.4

The Brazil Default Spread

Brazil 2021 Bond: 4.05%

US 2021 T.Bond: 1.75%

Spread: 2.30%

The India Default Spread

India does not have dollar or Euro denominated bonds outstanding.

Approach 2: CDS Spreads – July 2015

Country	Moody's rating	CDS Spread	CDS Spread adj for US	Country	Moody's rating	CDS Spread	CDS Spread adj for US	Country	Moody's rating	CDS Spread	CDS Spread adj for US
Abu Dhabi	Aa2	0.97%	0.56%	India	Baa3	2.37%	1.96%	Portugal	Ba1	2.71%	2.30%
Australia	Aaa	0.61%	0.20%	Indonesia	Baa3	2.60%	2.19%	Qatar	Aa2	1.01%	0.60%
Austria	Aaa	0.57%	0.16%	Ireland	Baa1	1.13%	0.72%	Romania	Baa3	1.73%	1.32%
Bahrain	Baa3	3.21%	2.80%	Israel	A1	1.06%	0.65%	Russia	BA1	3.59%	3.18%
Belgium	Aa3	0.85%	0.44%	Italy	Baa2	2.03%	1.62%	Saudi Arabia	Aa3	0.93%	0.52%
Brazil	Baa2	3.32%	2.91%	Japan	A1	0.84%	0.43%	Slovakia	A2	0.99%	0.58%
Bulgaria	Baa2	2.26%	1.85%	Kazakhstan	Baa2	2.88%	2.47%	Slovenia	Baa3	1.78%	1.37%
Chile	Aa3	1.04%	0.63%	Korea	Aa3	0.84%	0.43%	South Africa	Baa2	2.73%	2.32%
China	Aa3	1.52%	1.11%	Latvia	A3	1.43%	1.02%	Spain	Baa2	1.73%	1.32%
Colombia	Baa2	2.32%	1.91%	Lebanon	B2	4.03%	3.62%	Sweden	Aaa	0.36%	0.00%
Costa Rica	Ba1	3.78%	3.37%	Lithuania	A3	1.39%	0.98%	Switzerland	Aaa	0.31%	0.00%
Croatia	Ba1	3.25%	2.84%	Malaysia	A3	2.01%	1.60%	Thailand	Baa1	1.64%	1.23%
Cyprus	В3	5.15%	4.74%	Mexico	A3	1.93%	1.52%	Tunisia	Ba3	3.33%	2.92%
Czech Republic	A1	0.94%	0.53%	Morocco	Ba1	2.29%	1.88%	Turkey	Baa3	2.81%	2.40%
Denmark	Aaa	0.44%	0.03%	Netherlands	Aaa	0.41%	0.00%	United Kingdom	Aa1	0.41%	0.00%
Egypt	В3	3.70%	3.29%	New Zealand	Aaa	0.65%	0.24%	United States of America	Aaa	0.41%	0.00%
Estonia	A1	0.88%	0.47%	Norway	Aaa	0.31%	0.00%	Vietnam	B1	2.90%	2.49%
Finland	Aaa	0.53%	0.12%	Pakistan	В3	4.95%	4.54%				
France	Aa1	0.76%	0.35%	Panama	Baa2	1.98%	1.57%				

2.01%

1.55%

1.30%

1.60%

1.14%

0.89%

А3

Baa2

Germany Hong Kong

Hungary

Aaa

Aa1

0.41%

0.70%

2.16%

0.00%

0.29%

1.75%

Peru

Poland

Philippines

Approach 3: Typical Default Spreads: July 2015

Brazil Rating = Baa2 Spread = 1.9%

Sovereign	Default Spread
Rating	over riskfree
Aaa	0.00%
Aa1	0.40%
Aa2	0.50%
Aa3	0.60%
A1	0.70%
A2	0.85%
A3	1.20%
Baa1	1.60%
Baa2	1.90%
Baa3	2.20%
Ba1	2.50%
Ba2	3.00%
Ba3	3.60%
B1	4.50%
B2	5.50%
В3	6.50%
Caa1	7.50%
Caa2	9.00%
Caa3	10.00%

India Rating = Baa3 Spread = 2.2%

Getting to a risk free rate in a currency: Examples

- The Brazilian government bond rate in nominal reais in July 2015 was 12.58%.
 - ☐ Approach 1: Government Bond spread
 - The 2021 Brazil bond, denominated in US dollars, has a spread of 2.30% over the US treasury bond rate.
 - Riskfree rate in \$R = 12.58% 2.30% = 10.28%
 - □ Approach 2: The CDS Spread
 - CDS spread for Brazil, adjusted for the US CDS, on July 1, 2015 was 2.91%.
 - \blacksquare Riskfree rate in \$R = 12.58% 2.91% = 9.67%
 - ☐ Approach 3: The Rating based spread
 - Brazil has a Baa2 local currency rating, with a default spread of 1.90%.
 - Riskfree rate in \$R = 12.58% 1.90% = 10.68%
- □ The Indian government bond rate in rupees in July 2015 was 7.85%
 - Approach 2: The CDS Spread
 - □ CDS spread for India, adjusted for the US CDS, on July 1, 2015 was 1.96%.
 - Riskfree rate in Rs = 7.85% 1.96% = 5.89%
 - ☐ Approach 3: The Rating based spread
 - India has a Baa3 local currency rating, with a default spread of 2.20%.
 - Riskfree rate in Rs = 7.85% 2.20% = 5.65%

Risk free Rates: By Currency – July 2015

Risk free Rate

3.07%

1.86%

1.15% 0.92%

1.92%

3.38%

2.72%

1.03% 0.16%

2.47%

Governments with no default risk

П	
	-
П	

Currency
Australian \$

Canadian \$

Singapore \$

Swiss Franc US \$

Swedish Krona

Euro

NZ\$

Danish Krone

Norwegian Krone

Governments v Currency	Risk free Rate
Brazilian Reai	10.68%
British Pound	1.78%
Bulgarian Lev	1.25%
Chilean Peso	4.03%
Chinese Yuan	3.02%
Colombian Peso	5.32%
Croatian Kuna	0.76%
Czech Koruna	0.22%
HK \$	1.45%
Hungarian Forint	1.43%
Iceland Krona	4.90%
Indian Rupee	5.65%
Indonesian Rupiah	6.11%
Israeli Shekel	1.69%
Japanese Yen	-0.25%
Kenyan Shilling	8.52%
Korean Won	1.88%
Malyasian Ringgit	2.83%
Mexican Peso	4.92%
Nigerian Naira	10.55%
Pakistani Rupee	2.55%
Peruvian Sol	5.18%
Phillipine Peso	2.48%
Polish Zloty	2.39%
Romanian Leu	1.80%
Russian Ruble	9.24%
South African Rand	6.40%
Taiwanese \$	0.91%
Thai Baht	1.37%
Turkish Lira	6.94%
Venezuelan Bolivar	4.75%
Vietnamese Dong	2.29%

Risk free Rate: Desperation Time?

- It is entirely possible that you may be unable to find a government bond issued in the local currency (that is traded) or that you do not trust the government bond rate as a fair market interest rate. There are two ways you can get to a risk free rate, in this case.
- Build up approach: The risk free rate in any currency can be written as the sum of two variables:

Risk free rate = Expected Inflation in currency + Expected real interest rate

The expected real interest rate can be computed in one of two ways: from the US TIPs rate or set equal to real growth in the economy. Thus, if the expected inflation rate in a country is expected to be 15% and the TIPs rate is 1%, the risk free rate is 16%.

US \$ rate & Differential Inflation: Alternatively, you can scale up the US \$ risk free rate by the differential inflation between the US \$ and the currency in question:

Risk free rate_{Currency} =
$$(1 + Risk free \ rate_{US \,\$}) \frac{(1 + Expected \ Inflation_{Foreign \ Currency})}{(1 + Expected \ Inflation_{US \,\$})} - 1$$

Thus, if the US \$ risk free rate is 3.04%, the inflation rate in the foreign currency is 15% and the inflation rate in US \$ is 2%, the foreign currency risk free rate is as follows:

Risk free rate =
$$(1.0304)\frac{(1.15)}{(1.02)} - 1 = 16.17\%$$

ERP : July 2015

Andorra	8.21%	2.40%	Guernsey	6.41%	0.60%	Netherlands	5.81%	0.00%
Austria	5.81%	0.00%	Iceland	9.11%	3.30%	Norway	5.81%	0.00%
Belgium	6.71%	0.90%	Ireland	8.21%	2.40%	Portugal	9.56%	3.75%
Cyprus	15.56%	9.75%	Isle of Man	6.41%	0.60%	Spain	8.66%	2.85%
Denmark	5.81%	0.00%	Italy	8.66%	2.85%	Sweden	5.81%	0.00%
Finland	5.81%	0.00%	Jersey 👆	6.41%	0.60%	Switzerland	5.81%	0.00%
France	6.41%	0.60%	Liechtenstein	5.81%	0.00%	Turkey	9.11%	3.30%
Germany	5.81%	0.00%	Luxembourg	5.81%	0.00%	UK /	6.41%	0.60%
Greece	19.31%	13.50%	Malta	7.61%	1.80%	W. Europe	6.97%	1.16%
1				4			-5	_

North America	5.81%	0.00%
United States	5.81%	0.00%
Canada	5.81%	0.00%

		_
Argentina	17.06%	11.25%
Belize	19.31%	13.50%
Bolivia	11.21%	5.40%
Brazil	8.66%	2.85%
Chile	6.71%	0.90%
Colombia	8.66%	2.85%
Costa Rica	9.56%	3.75%
Ecuador	15.56%	9.75%
El Salvador	11.21%	5.40%
Guatemala	9.56%	3.75%
Honduras	15.56%	9.75%
Mexico	7.61%	1.80%
Nicaragua	15.56%	9.75%
Panama	8.66%	2.85%
Paraguay	9.56%	3.75%
Peru	7.61%	1.80%
Suriname	11.21%	5.40%
Uruguay	8.66%	2.85%
Venezuela	20.81%	15.00%
Latin America	10.29%	4.48%

Country 🍎 🏑	ERP	CRP	
Angola 📗		10.31%	4.50%
Botswana		7.09%	1.28%
Burkina Faso	15.56%	9.75%	
Cameroon		14.06%	8.25%
Cape Verde	-	14.06%	8.25%
Congo (DR)	1	15.56%	9.75%
Congo (Republi	c of)	11.21%	5.40%
C™te d'Ivoire		12.56%	6.75%
Egypt		15.56%	9.75%
Ethiopia		12.56%	6.75%
Gabon		11.21%	5.40%
Ghana	0	15.56%	9.75%
Kenya		12.56%	6.75%
Morocco	- 83	9.56%	3.75%
Mozambique	q	12.56%	6.75%
Namibia	5	9.11%	3.30%
Nigeria	2	11.21%	5.40%
Rwanda	12	14.06%	8.25%
Senegal		12.56%	6.75%
South Africa	8.66%	2.85%	
Tunisia	11.21%	5.40%	
Uganda	12.56%	6.75%	
Zambia		12.56%	6.75%
Africa		11.61%	5.80%

Abu Dhabi	6.56%	0.75%
Bahrain	9.11%	3.30%
Israel	6.86%	1.05%
Jordan	12.56%	6.75%
Kuwait	6.56%	0.75%
Lebanon	14.06%	8.25%
Oman	6.86%	1.05%
Qatar	6.56%	0.75%
Ras Al Khaimah	7.09%	1.28%
Saudi Arabia	6.71%	0.90%
Sharjah	7.61%	1.80%
UAE	6.56%	0.75%
Middle East	6.91%	1.10%

Albania	12.56%	6.75%	Lithuania	7.61%	1.80%
Armenia	11.21%	5.40%	Macedonia	11.21%	5.40%
Azerbaijan	9.11%	3.30%	Moldova	15.56%	9.75%
Belarus	17.06%	11.25%	Montenegro	11.21%	5.40%
Bosnia	15.56%	9.75%	Poland	7.09%	1.28%
Bulgaria	8.66%	2.85%	Romania	9.11%	3.30%
Croatia	9.56%	3.75%	Russia	9.56%	3.75%
Czech Republic	6.86%	1.05%	Serbia 🔨	12.56%	6.75%
Estonia	6.86%	1.05%	Slovakia 🧪	7.09%	1.28%
Georgia	11.21%	5.40%	Slovenia	9.11%	3.30%
Hungary	9.56%	3.75%	Ukraine	23.81%	18.0%
Kazakhstan	8.66%	2.85%	E. Europe	9.71%	3.90%
Latvia	7.61%	1.80%			

11.21%	5.40%	Mauritius	8.21%	2.40%
14.06%	8.25%	Mongolia	14.06%	8.25%
6.71%	0.90%	Pakistan	15.56%	9.75%
12.56%	6.75%	Papua NG	12.56%	6.75%
6.41%	0.60%	Philippines	8.66%	2.85%
9.11%	3.30%	Singapore	5.81%	0.00%
9.11%	3.30%	Sri Lanka	12.56%	6.75%
6.86%	1.05%	Taiwan	6.71%	0.90%
6.71%	0.90%	Thailand	8.21%	2.40%
6.56%	0.75%	Vietnam	12.56%	6.75%
7.61%	1.80%	Asia	7.31%	1.50%
	14.06% 6.71% 12.56% 6.41% 9.11% 6.86% 6.71% 6.56%	14.06% 8.25% 6.71% 0.90% 12.56% 6.75% 6.41% 0.60% 9.11% 3.30% 6.86% 1.05% 6.71% 0.90% 6.56% 0.75%	14.06% 8.25% Mongolia 6.71% 0.90% Pakistan 12.56% 6.75% Papua NG 6.41% 0.60% Philippines 9.11% 3.30% Singapore 9.11% 3.30% Sri Lanka 6.86% 1.05% Taiwan 6.71% 0.90% Thailand 6.56% 0.75% Vietnam	14.06% 8.25% Mongolia 14.06% 6.71% 0.90% Pakistan 15.56% 12.56% 6.75% Papua NG 12.56% 6.41% 0.60% Philippines 8.66% 9.11% 3.30% Singapore 5.81% 9.11% 3.30% Sri Lanka 12.56% 6.86% 1.05% Taiwan 6.71% 6.71% 0.90% Thailand 8.21% 6.56% 0.75% Vletnam 12.56%

Australia & NZ	5.81%	0.00%
New Zealand	5.81%	0.00%
Cook Islands	12.56%	6.75%
Australia	5.81%	0.00%

Black #: Total ERP

Red #: Country risk premium AVG: GDP weighted average

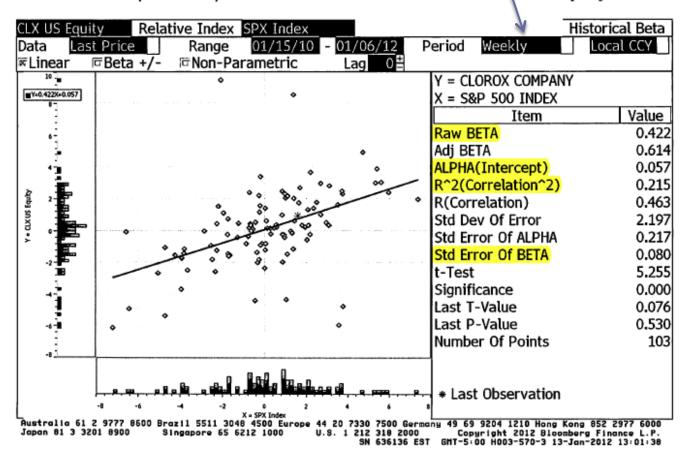
Сотрапу	Exposure	Revenues	Proport i on	ERP	Weighted ERP
Ranbaxy	North America	53798	50.53%	5.81%	
	India	23350	21.93%	9.11%	
	Europe	20959	19.69%	6.97%	8.72%
	Asia Pacific	8361	7.85%	7.13%	0.72/0
	Africa	7879	7.40%	11.61%	
	Rest of the World	10251	9.63%	10.29%	
Tube Investments	India	84002	100.00%	9.11%	9.11%
SKF India	India	22041	100.00%	9.11%	9.11%
Γitan Co.	India	99210	98.00%	9.11%	9.07%
	Rest of the World	2022	2.00%	7%	9.0770
Sharti Airtel	India	559696	67.52%	9.11%	9.92%
	Africa	269287	32.48%	11.61%	9.92/0
ndia Cements	India	51595	100.00%	9.11%	9.11%
Brittania	India	77751	100.00%	9.11%	9.11%
Reliance Industries	India	1365710		9.11%	7.88%
	Rest of the World	2519230		7.21%	
or. Reddy's	India	21158		9.11%	
	North America	69328		5.81%	7.16%
	Russia	17713		9.56%	
	Rest of the World	21158		7.62%	
Bajaj Auto	India	126184		9.11%	8.91%
	Rest of the World	82217		8.60%	0.02/0
Wipro	United States	227328		5.81%	
	Europe	124523		6.97%	6.80%
	India	45814	9.68%	9.11%	
	Rest of the World	75517	15.96%	8.07%	
Shopper's Stop	India	31772	100%	9.11%	9.11%

If annualized riskfree rate during period was 1.5%, Jensen's alpha = 0.057% - (1.5%/52)*(1-0.422) = 0.0403%

Based on weekly returns

<HELP> for explanation, <MENU> for similar functions.

EquityBETA



Using a 6% ERP for mature markets and a current riskfree rate of 1.87%, Expected Return = Riskfree rate + Raw Beta (ERP)

$$= 1.87\% + 0.422 (6\%) = 4.40\%$$

Regression beta is 0.422

Intercept in % 0.057%

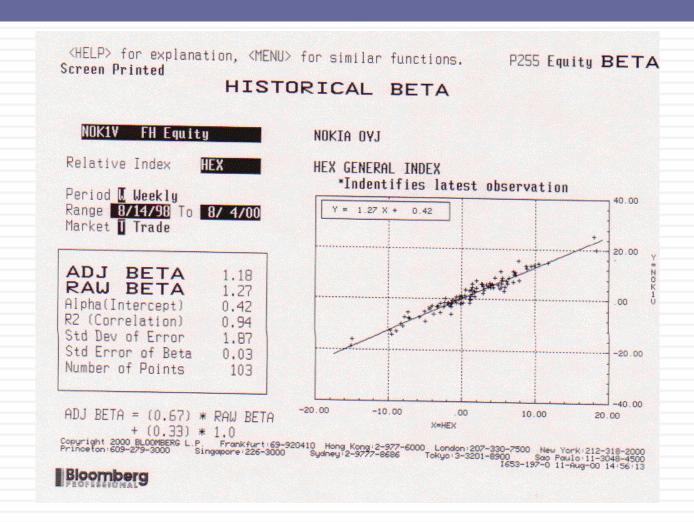
R squared (decimals) = 21.5%

Std error of beta = 0.08 67% confidence: 0.34 (=0.42-0.08) to 0.50 (=0.42+0.08) 95% confidence: 0.26 (=0.42-2*0.08) to 0.58 (=0.42+2*0.08)

Indian Companies: Beta Regression

Company	Intercept	Beta	R-squared	Rf (1-Beta)	Jensen's alpha (monthy)	Jensen's alpha (annual)	Std Error of Beta	Beta (low)	Beta (high)
Ranbaxy	1.04%	0.17	0.00%	0.08%	0.96%	64.36%	0.36	-0.55	0.89
Tube Investments	0.71%	0.67	7.60%	0.03%	0.68%	42.12%	0.23	0.21	1.13
SKF	0.69%	0.80	19.70%	0.02%	0.67%	41.57%	0.16	0.48	1.12
Titan Co	0.06%	0.95	20.60%	0.00%	0.06%	2.91%	0.19	0.57	1.33
Bharti Airtel	0.21%	0.67	10.70%	0.03%	0.18%	9.70%	0.19	0.29	1.05
India Cements	-0.14%	1.96	28.70%	-0.09%	-0.05%	-2.45%	0.31	1.34	2.58
Brittania	0.07%	0.46	7.00%	0.05%	0.02%	0.94%	0.17	0.12	0.8
Reliance Industries	-0.28%	1.26	54.80%	-0.03%	-0.26%	-12.43%	0.11	1.04	1.48
Dr. Reddy's Lab	0.49%	0.34	3.30%	0.06%	0.43%	24.77%	0.18	-0.02	0.7
Bajaj Auto	-0.02%	0.85	26.70%	0.01%	-0.03%	-1.77%	0.14	0.57	1.13
Wipro	0.52%	0.20	1.20%	0.08%	0.44%	25.85%	0.18	-0.16	0.56
Shoppers Stop	0.03%	0.35	3.00%	0.06%	-0.03%	-1.68%	0.2	-0.05	0.75

The best R-squared ever?



What sector is your firm in?

Bloomberg sector category DELAY 12:46 Vol 477,249 Op 68.02 T Hi 68.15 D Lo 67.69 D Page 1/10 DESCRIPTION CLX US Consumer Products-Misc CLOROX COMPANY 98) Generate Report BBGID BBG000BFS7D3 CUSIP 189054109 The Clorox Company produces and markets non-durable consumer products sold primarily through grocery and other retail stores. The Company's principal plude household cleaning and bleach products, charcoal, cat litter, Read the description are products, dressings, and trash bags. Clorox markets its and make your own the United States and other countries around the world. judgment USD DIVIDENDS Ouarterly 67.69 DDVD Indicated Gross Yld 3.55% 7/20/2011 75.44 Dividend Growth 5YR 14.67% 52WK High 62.77 52Wk Low 2/ 3/2011 Ex-Date Amt Type YTD change 1.13 1/24/12 Reg. Cash YTD % Change 1.70% 7/18/11 Poison Pill 1 per 1 Shares Out 9/30/2011 131.905M EARNINGS D)FA USD Market Cap 8928.64M WERN Ann Date 2/ 3/12 (C) USD Trailing 12mo EPS 131.04M Short Int 2.108M Float 4.080 B)TRA 1 Yr Total Return 10.39% DEE Est EPS 6/2012 4.071 16.59 LT Growth BETA vs. SPX .61 P/E 9.33 MOMON Options, LEAPs, Stk Marginable Est P/E 16.63 Est PEG 1.78

	Number of				Unlevered	Cash/Firm	Unlevered beta corrected for		Standard deviation of
Industry	firms	Beta	D/E Ratio	Tax rate	beta	value	cash	HiLo Risk	equity
Advertising	253	1.27	30.39%	15.74%	1.01	7.61%	1.10	0.4254	56.72%
Aerospace/Defense	208	1.08	22.09%	13.17%	0.90	7.04%	0.97	0.3569	47.90%
Air Transport	158	1.09	96.31%	14.73%	0.60	7.02%	0.64	0.3047	43.55%
Apparel	1174	0.82	24.84%	16.13%	0.68	6.37%	0.73	0.3119	51.79%
Auto & Truck	125	1.28	82.73%	12.98%	0.74	11.21%	0.84	0.3317	45.05%
Auto Parts	632	1.25	25.38%	19.28%	1.04	9.53%	1.15	0.3117	47.79%
Bank (Money Center)	604	1.02	275.73%	19.58%	0.32	17.43%	0.39	0.1933	35.24%
Banks (Regional)	911	0.66	113.70%	21.75%	0.35	29.74%	0.49	0.1900	36.79%
Beverage (Alcoholic)	216	0.79	23.18%	16.66%	0.66	3.57%	0.69	0.2777	43.05%
Beverage (Soft)	108	0.93	23.77%	12.52%	0.77	4.75%	0.81	0.4314	42.96%
Broadcasting	138	1.35	41.58%	19.54%	1.01	4.05%	1.05	0.2955	50.58%
Brokerage & Investment Bank	551	1.05	204.34%	13.39%	0.38	16.43%	0.45	0.3345	56.73%
Building Materials	432	0.96	37.23%	18.20%	0.74	7.98%	0.80	0.2828	47.42%
Business & Consumer Services	759	1.05	27.99%	18.29%	0.85	6.10%	0.91	0.3486	50.70%
Cable TV	64	0.96	49.03%	17.68%	0.69	2.55%	0.71	0.2503	43.88%
Chemical (Basic)	731	0.95	43.37%	16.22%	0.70	7.45%	0.75	0.2911	46.40%
Chemical (Diversified)	85	1.42	40.73%	20.85%	1.08	5.42%	1.14	0.2760	43.73%
Chemical (Specialty)	700	1.03	23.60%	17.14%	0.86	6.13%	0.92	0.3221	49.35%
Coal & Related Energy	321	1.38	53.98%	5.66%	0.91	12.97%	1.05	0.4700	72.21%
Computer Services	934	0.99	19.15%	18.34%	0.85	7.46%	0.92	0.3387	52.97%
Computers/Peripherals	329	1.13	12.55%	14.36%	1.02	9.23%	1.13	0.3238	55.30%
Construction Supplies	751	1.15	47.79%	15.34%	0.82	8.00%	0.89	0.2920	48.14%
Diversified	378	1.08	65.89%	14.59%	0.69	9.22%	0.76	0.2576	38.88%
Drugs (Biotechnology)	782	1.16	8.28%	2.50%	1.07	4.38%	1.12	0.4899	85.38%
Drugs (Pharmaceutical)	877	0.91	12.91%	13.51%	0.82	4.29%	0.85	0.3485	55.39%
Education	170	1.14	27.79%	15.44%	0.92	10.00%	1.02	0.3481	56.66%
Electrical Equipment	838	1.10	26.63%	13.21%	0.89	9.71%	0.99	0.3474	49.99%
Electronics (Consumer & Offic	151	1.22	40.46%	11.33%	0.90	16.10%	1.07	0.3572	52.36%
Electronics (General)	1227	1.08	21.71%	14.27%	0.91	12.90%	1.04	0.3253	52.45%
Engineering/Construction	1148	1.25	80.56%	16.43%	0.75	15.51%	0.89	0.3128	52.45%
Entertainment	350	1.12	27.67%	9.53%	0.90	4.12%	0.94	0.4392	59.72%
Environmental & Waste Service	307	1.27	36.38%	12.00%	0.96	4.12%	1.00	0.4547	62.88%
Farming/Agriculture	408	0.90	60.31%	12.31%	0.59	8.53%	0.64	0.3052	46.18%
Financial Svcs. (Non-bank & In	966	0.79	854.38%	17.63%	0.10	5.92%	0.10	0.2886	45.27%
Food Processing	1247	0.77	26.27%	17.04%	0.63	4.67%	0.66	0.2745	42.50%
Food Wholesalers	125	0.81	80.21%	17.28%	0.49	9.48%	0.54	0.3014	45.54%
Furn/Home Furnishings	303	1.01	20.06%	17.42%	0.87	12.69%	0.99	0.3042	49.73%
Green & Renewable Energy	167	1.20	72.84%	7.31%	0.72	3.53%	0.74	0.4024	53.45%
Healthcare Products	642	0.97	14.68%	9.03%	0.86	4.91%	0.90	0.4126	58.69%
Healthcare Support Services	335	1.11	29.75%	16.34%	0.89	6.23%	0.95	0.3915	47.70%
Heathcare Information and Te	285	1.14	19.74%	7.48%	0.96	4.56%	1.01	0.4536	68.43%
Homebuilding	160	1.34	57.54%	19.66%	0.91	9.28%	1.01	0.2818	51.33%
Hospitals/Healthcare Facilities	199	0.83	62.18%	14.53%	0.54	2.50%	0.56	0.2563	41.92%
Hotel/Gaming	665	0.94	40.05%	13.44%	0.70	6.89%	0.75	0.2915	46.98%
Household Products	465	0.98	14.54%	14.42%	0.87	4.34%	0.91	0.3702	50.39%
Information Services	185	1.06	13.26%	16.67%	0.95	4.17%	1.00	0.3533	51.45%
Insurance (General)	233	0.72	41.45%	15.32%	0.53	16.18%	0.63	0.2230	35.05%
Insurance (Life)	124	1.04	48.93%	19.65%	0.74	20.71%	0.03	0.2230	36.75%
Insurance (Prop/Cas.)	220	0.60	31.52%	16.95%	0.47	9.63%	0.52	0.2070	37.33%

Unclassified Utility (General) Utility (Water)	33 56 98	0.86 0.80 0.98	84.23% 49.01%	24.40% 15.37%	0.49 0.69	4.78% 5.47%	0.51 0.73	0.1766 0.3017	32.08% 42.62%
Unclassified									
	33	0.86	30.8470	0.1370	0.00			0.4704	00.00,0
		0.00	56.84%	8.19%	0.56	7.48%	0.61	0.4764	58.05%
Trucking	190	0.96	62.80%	22.49%	0.64	5.59%	0.68	0.2575	42.00%
Transportation (Railroads)	53	1.00	35.57%	25.45%	0.79	2.15%	0.81	0.2095	32.27%
Transportation	225	0.88	46.82%	21.11%	0.64	7.60%	0.70	0.2950	42.81%
Tobacco	61	0.77	16.87%	18.39%	0.67	2.24%	0.69	0.3515	39.03%
Telecom. Services	308	1.01	62.95%	14.45%	0.66	4.94%	0.69	0.3594	50.50%
Telecom. Equipment	484	1.18	13.28%	11.08%	1.05	8.52%	1.15	0.3634	57.38%
Telecom (Wireless)	117	1.17	48.78%	13.18%	0.82	6.41%	0.88	0.3184	47.57%
Steel	757	1.28	89.90%	13.50%	0.72	9.42%	0.79	0.3345	54.23%
Software (System & Application	991	1.12	8.86%	11.22%	1.04	5.26%	1.10	0.4217	62.34%
Software (Internet)	759	1.34	5.52%	8.54%	1.27	5.95%	1.35	0.5033	68.76%
Software (Entertainment)	119	1.19	10.47%	11.09%	1.09	19.07%	1.35	0.4437	68.74%
Shoe	95	0.86	11.76%	19.78%	0.79	6.12%	0.84	0.3239	49.82%
Shipbuilding & Marine	354	1.26	78.89%	12.88%	0.74	9.80%	0.83	0.3139	49.49%
Semiconductor Equip	259	1.40	15.56%	10.34%	1.23	8.95%	1.35	0.3231	57.71%
Semiconductor	564	1.27	12.95%	10.38%	1.14	7.73%	1.23	0.3130	53.27%
Rubber& Tires	89	1.13	39.64%	22.00%	0.86	7.49%	0.93	0.2663	43.79%
Retail (Special Lines)	540	1.03	32.61%	22.00%	0.82	5.69%	0.87	0.3053	47.17%
Retail (Online)	115	1.42	9.22%	11.89%	1.31	6.75%	1.40	0.4430	72.03%
Retail (Grocery and Food)	180	0.85	68.98%	24.27%	0.56	7.21%	0.60	0.2436	36.41%
Retail (General)	231	0.93	44.55%	23.10%	0.69	5.37%	0.73	0.2322	40.14%
Retail (Distributors)	889	0.93	94.01%	19.27%	0.53	9.67%	0.58	0.3147	49.35%
Retail (Building Supply)	50	1.03	25.68%	30.31%	0.87	2.91%	0.90	0.2600	35.64%
Retail (Automotive)	149	0.96	50.93%	22.04%	0.69	4.75%	0.72	0.2882	43.92%
Restaurant/Dining	306	0.84	32.64%	21.40%	0.67	3.96%	0.70	0.2693	41.15%
Reinsurance	40	1.21	33.10%	10.37%	0.93	13.06%	1.07	0.1896	28.34%
Recreation	293	1.07	27.60%	16.97%	0.87	8.28%	0.95	0.3367	49.10%
Real Estate (Operations & Sen	577	0.92	89.56%	13.25%	0.52	5.65%	0.55	0.2878	43.86%
Real Estate (General/Diversifie	449	1.08	78.94%	15.67%	0.65	8.11%	0.70	0.2838	49.50%
Real Estate (Development)	703	1.16	90.20%	18.31%	0.44	14.74%	0.43	0.1070	48.53%
R.E.I.T.	482	0.79	80.16%	2.28%	0.80	2.06%	0.45	0.3019	29.85%
Publishing & Newspapers	373	1.48	32.84%	15.36%	0.80	7.62%	0.86	0.3019	52.04%
Precious Metals	1079	1.48	35.54%	2.76%	1.10	8.77%	1.21	0.2559	95.83%
Power Products	574	0.96	96.82%	17.82%	0.58	5.09%	0.62	0.3064	38.21%
Packaging & Container Paper/Forest Products	398 303	0.79 0.96	46.14% 75.32%	19.10% 11.45%	0.58 0.58	5.07% 6.66%	0.61 0.62	0.2880 0.3064	44.72% 47.03%
Oilfield Svcs/Equip.	586	1.38	50.20%	14.44%	0.97	7.57%	1.05	0.4167	56.14%
Oil/Gas Distribution	215	1.23	52.85%	9.45%	0.83	1.66%	0.85	0.2881	45.55%
Oil/Gas (Production and Explo	1140	1.48	47.02%	7.19%	1.03	6.24%	1.10	0.5810	73.94%
Oil/Gas (Integrated)	55	1.40	37.65%	25.44%	1.09	7.17%	1.17	0.2834	40.33%
Office Equipment & Services	155	0.91	43.85%	18.62%	0.67	8.80%	0.74	0.2953	48.07%
Metals & Mining	1589	1.43	46.77%	3.84%	0.99	7.33%	1.07	0.5342	79.34%
Machinery	1272	1.12	21.04%	18.36%	0.96	9.32%	1.06	0.3099	48.15%
Investments & Asset Manager	914	0.89	62.35%	7.34%	0.57	13.17%	0.65	0.3273	47.25%
Industry	firms	Beta	D/E Ratio	Tax rate	beta	value	cash	HiLo Risk	equity
	Number of				Unlevered	Cash/Firm	Unlevered beta corrected for		deviation of

Indian Companies: Bottom up Betas

Company	Business	Unlevered Beta	Total Debt	Market Cap	D/E Ratio	Levered Beta
Ranbaxy	Drugs (Pharmaceutical)	0.8161	60,035₹	365,557₹	16.42%	0.90
Tube Investments	Steel	0.7189	162,454₹	63,988₹	253.88%	1.92
SKF	Machinery	0.9581	0₹	76,789₹	0.00%	0.96
Titan Co	Electronics (General)	0.9081	998₹	322,932₹	0.31%	0.91
Bharti Airtel	Telecom. Services	0.6581	663,672₹	1,661,319₹	39.95%	0.83
India Cements	Construction Supplies	0.8219	29,788₹	25,250₹	117.97%	1.46
Brittania	Food Processing	0.6339	1,402₹	318,673₹	0.44%	0.64
Reliance Industries	Chemical (Diversified)	1.0756	1,608,600₹	2,834,174₹	56.76%	1.48
Dr. Reddy's Lab	Drugs (Pharmaceutical)	0.8161	43,125₹	600,842₹	7.18%	0.85
Bajaj Auto	Auto & Truck	0.7448	1,118₹	666,398₹	0.17%	0.75
Wipro	Computer Services	0.8535	78,913₹	1,369,265₹	5.76%	0.89
Shoppers Stop	Retail (Special Lines)	0.8219	6,535₹	33,830₹	19.32%	0.93

Interest coverage ratios

Corporate Finance Essentials (

ACCOMPANIES OF THE PARTY OF THE	Estimate 2012 A	Gurran // TM	Original:2011 A	Original 2010 A	Restated 200
For the period ending	2012-12-31	2012-3-31	2011-12-31	2010-12-31	2009-1
Revenue	216.328.25	230,522.00	230,859.00	175,752.00	136.01
EBITDA	25,366.80	25,443.00	26,270,00	22,655.00	17,60
Operating Income	17,315.89	17,741.00	18,336,00	13,595.00	8,31
Total interest expense		1.441.00	1,460.00	1,658.00	1.77
Net Income	8,586.67	12,345.00	12,436.00	11.358.00	4.41
Cash & Equivalents		4,215.00	6,361.00	10,427.00	54
Total debt		28,360.00	22.623.00	23,592.00	28,65

Interest coverage ratio = Operating profit/ Interest expense = 17,741/1,441 = 12.10

Synthetic Ratings and Default Spreads

Market cap > \$ 5 billion

	•	•	
If interest cov	erage ratio is		
>	≤ to	Rating is	Spread is
8.50	100000	AAA	0.40%
6.5	8.499999	AA	0.70%
5.5	6.499999	A+	0.90%
4.25	5.499999	A	1.00%
3	4.249999	A-	1.20%
2.5	2.999999	BBB	1.75%
2.25	2.49999	BB+	2.75%
2	2.2499999	BB	3.25%
1.75	1.999999	B+	4.00%
1.5	1.749999	В	5.00%
1.25	1.499999	B-	6.00%
0.8	1.249999	CCC	7.00%
0.65	0.799999	CC	8.00%
0.2	0.649999	C	10.00%
-100000	0.199999	D	12.00%

Market cap < \$ 5 billion

For smaller and riskier firms

If interest cov	verage ratio is		
greater than	≤ to	Rating is	Spread is
12.5	100000	AAA	0.40%
9.5	12.499999	AA	0.70%
7.5	9.499999	A+	0.90%
6	7.499999	A	1.00%
4.5	5.999999	A-	1.20%
4	4.499999	BBB	1.75%
3.5	3.9999999	BB+	2.75%
3	3.499999	BB	3.25%
2.5	2.999999	B+	4.00%
2	2.499999	В	5.00%
1.5	1.999999	B-	6.00%
1.25	1.499999	CCC	7.00%
0.8	1.249999	CC	8.00%
0.5	0.799999	С	10.00%
-100000	0.499999	D	12.00%

Indian Companies: Cost of Debt

Company	EBIT	Interest Expense	Interest coverage ratio	Bond Rating	Pre-tax cost of debt	After-tax cost of debt
Ranbaxy	10,399.00₹	5,401.00₹	1.93	B-	13.85%	9.14%
Tube Investments	20,480.00₹	11,270.00₹	1.82	B-	13.85%	9.14%
SKF	2,151.00₹	0.00₹	100000.00	AAA	8.25%	5.45%
Titan Co	10,588.00₹	807.00₹	13.12	AAA	8.25%	5.45%
Bharti Airtel	157,849.00₹	64,363.00₹	2.45	В	12.85%	8.48%
India Cements	4,822.00₹	4,781.00₹	1.01	CC	15.85%	10.46%
Brittania	7,177.00₹	39.00₹	184.03	AAA	8.25%	5.45%
Reliance Industries	258,170.00₹	33,160.00₹	7.79	A+	8.75%	5.78%
Dr. Reddy's Lab	26,286.00₹	1,274.00₹	20.63	AAA	8.25%	5.45%
Bajaj Auto	38,457.00₹	65.00₹	591.65	AAA	8.25%	5.45%
Wipro	91,786.00₹	768.00₹	119.51	AAA	8.25%	5.45%
Shoppers Stop	1,427.00₹	781.00₹	1.83	B-	13.85%	9.14%

Corporate Finance Essentials (

1927 THE 28012	Estriale 2012 A	Gurran /L TM	Original 2011 A	Original 2010 A 2010-12-31	Rasialka 2009 A 2009-12-31
For the period ending	2012-12-31	2012-3-31 230,522,00	2011-12-31	175.752.00	136.016.00
Revenue EBITDA		25,443.00	26,270.00	22.655.00	17,606.00
American Company	25,366.80	17.741.00	18.336.00	13,595.00	8,311.00
Operating Income	17,315.89	1,441.00	1,460.00	1,658.00	1,776.00
Total interest expense	8,586,67		12,436.00	11,358.00	4,414,00
Net Income	6,366.67	12,345.00		10,427.00	542.00
Cash & Equivalents		4,215.00	6,361.00		28,653.00
Total debt		28,360.00	22.623.00	23,592.00	20,000.00
Total Debt Weighted					
Average Maturity		57.040.00	CC 704 00	60 400 00	62,613,00
Total Equity		67,043,00	65,734.00	69,109.00	
Chg in non-cash wo	10.040.40	1,748.00	-351.00	1,867.00	-538.00
Capital Expenditures	-13,840.40	-14,642.00	-13,266,00	-9,761.00	-10,861.00
Increase: LT Debt		5,794.00	0.00	118.00	9,087,00
Decrease: LT Debt				2.22	0.00
Inc(Dec) ST Debt		0.00	0.00	0.00	0.00
Market cap.		66,452.45	96,752.33	100,054.19	75,772.27
Minority Interest		509.00	510.00	547.00	590,00
Eff tax rate		46.03	45.65	42.19	53.12
Net Cash Paid for				0.00	0.00
Acquisitions					
Working Capital		636,00	2,150.00	7,241.00	-2,528.00
Op Lease - Current			869.00	891.00	990.00
Op Lease - Yr 1			767.00	752.00	872.00
Op Lease - Yr 2			519.00	573.00	637.00
Op Lease - Yr 3			382.00	460.00	529.00
Op Lease - Yr 4			300.00	309.00	346,00
Op Lease - Yr 5			202.00	245.00	272,00
Op Lease - Beyond yr 5	5		591.00	557.00	721.00
Dividends Paid		-3,531.00	-3,632.00	-3,175.00	-2,832.00
Dec capital stock		-11,399,00	-11,123.00	-3,866.00	0.00
Current Shares		1,264.56	1,327.74	1,469.22	1,483.69
Outstanding			* ×		
Price per share		52.04	51.91	38.93	39.49
Options Outstanding			24.37	32.61	36.43
End Of Period					
Avg Exercise Price			45.73	39.54	37.13
(Options Outstanding)					
Op Lease - Years 2 - 5			1,403.00	1,587.00	1,784.00
R & D expenditures			267.00	230.00	190.00

With a pre-tax cost of debt of 3% MV of debt = 1,441 (PV of annuity, 3 years, 3%) + 28,360/ (1.03)³ = \$ 30,029 M

PV of operating leases at 3% 767/1.03 +519/1.03² +382/1.03³ +300/1.03⁴ +202/1.03⁵ +259.5/1.03⁶ +259.5/1.03⁷ = 2,187

Indian Companies: Cost of Capital

Company	Levered Beta	ERP	Cost of Equity	After-tax cost of debt	Debt/Capital	Cost of capital (Rs)
Ranbaxy	0.90	8.72%	13.53%	9.14%	14.11%	12.91%
Tube Investments	1.92	9.11%	23.17%	9.14%	71.74%	13.11%
SKF	0.96	9.11%	14.38%	5.45%	0.00%	14.38%
Titan Co	0.91	9.07%	13.91%	5.45%	0.31%	13.88%
Bharti Airtel	0.83	9.92%	13.90%	8.48%	28.55%	12.35%
India Cements	1.46	9.11%	18.97%	10.46%	54.12%	14.37%
Brittania	0.64	9.11%	11.44%	5.45%	0.44%	11.41%
Reliance Industries	1.48	7.88%	17.30%	5.78%	36.21%	13.13%
Dr. Reddy's Lab	0.85	7.16%	11.77%	5.45%	6.70%	11.35%
Bajaj Auto	0.75	8.91%	12.29%	5.45%	0.17%	12.28%
Wipro	0.89	6.80%	11.67%	5.45%	5.45%	11.33%
Shoppers Stop	0.93	9.11%	14.09%	9.14%	16.19%	13.29%

Industry Name	Number of Firms	Beta	Cost of Equity	E/(D+E)	Std Dev in Stock	Cost of Debt	Tax Rate	After-tax Cost of Debt	D/(D+E)	Cost of Capital
Advertising	253	1.27	11.31%	76.69%	56.72%	4.63%	15.74%	3.24%	23.31%	9.43%
Aerospace/Defense	208	1.08	9.91%	81.90%	47.90%	4.13%	13.17%	2.89%	18.10%	8.64%
Air Transport	158	1.09	9.98%	50.94%	43.55%	4.13%	14.73%	2.89%	49.06%	6.50%
Apparel	1174	0.82	8.06%	80.11%	51.79%	4.63%	16.13%	3.24%	19.89%	7.10%
Auto & Truck	125	1.28	11.37%	54.73%	45.05%	4.13%	12.98%	2.89%	45.27%	7.53%
Auto Parts	632	1.25	11.14%	79.76%	47.79%	4.13%	19.28%	2.89%	20.24%	9.47%
Bank (Money Center)	604	1.02	9.52%	26.61%	35.24%	4.13%	19.58%	2.89%	73.39%	4.66%
Banks (Regional)	911	0.66	6.88%	46.79%	36.79%	4.13%	21.75%	2.89%	53.21%	4.76%
Beverage (Alcoholic)	216	0.79	7.85%	81.18%	43.05%	4.13%	16.66%	2.89%	18.82%	6.91%
Beverage (Soft)	108	0.93	8.86%	80.80%	42.96%	4.13%	12.52%	2.89%	19.20%	7.71%
Broadcasting	138	1.35	11.85%	70.63%	50.58%	4.63%	19.54%	3.24%	29.37%	9.32%
Brokerage & Investment Banking	551	1.05	9.70%	32.86%	56.73%	4.63%	13.39%	3.24%	67.14%	5.36%
Building Materials	432	0.96	9.06%	72.87%	47.42%	4.13%	18.20%	2.89%	27.13%	7.39%
Business & Consumer Services	759	1.05	9.69%	78.13%	50.70%	4.63%	18.29%	3.24%	21.87%	8.28%
Cable TV	64	0.96	9.10%	67.10%	43.88%	4.13%	17.68%	2.89%	32.90%	7.05%
Chemical (Basic)	731	0.95	8.99%	69.75%	46.40%	4.13%	16.22%	2.89%	30.25%	7.14%
Chemical (Diversified)	85	1.42	12.38%	71.06%	43.73%	4.13%	20.85%	2.89%	28.94%	9.64%
Chemical (Specialty)	700	1.03	9.55%	80.91%	49.35%	4.13%	17.14%	2.89%	19.09%	8.28%
Coal & Related Energy	321	1.38	12.08%	64.94%	72.21%	5.13%	5.66%	3.59%	35.06%	9.11%
Computer Services	934	0.99	9.26%	83.93%	52.97%	4.63%	18.34%	3.24%	16.07%	8.29%
Computers/Peripherals	329	1.13	10.29%	88.85%	55.30%	4.63%	14.36%	3.24%	11.15%	9.51%
Construction Supplies	751	1.15	10.46%	67.66%	48.14%	4.13%	15.34%	2.89%	32.34%	8.01%
Diversified	378	1.08	9.93%	60.28%	38.88%	4.13%	14.59%	2.89%	39.72%	7.13%
Drugs (Biotechnology)	782	1.16	10.48%	92.36%	85.38%	5.63%	2.50%	3.94%	7.64%	9.98%
Drugs (Pharmaceutical)	877	0.91	8.68%	88.57%	55.39%	4.63%	13.51%	3.24%	11.43%	8.06%
Education	170	1.14	10.33%	78.25%	56.66%	4.63%	15.44%	3.24%	21.75%	8.79%
Electrical Equipment	838	1.10	10.06%	78.97%	49.99%	4.13%	13.21%	2.89%	21.03%	8.55%
Electronics (Consumer & Office)	151	1.22	10.91%	71.19%	52.36%	4.63%	11.33%	3.24%	28.81%	8.70%
Electronics (General)	1227	1.08	9.90%	82.16%	52.45%	4.63%	14.27%	3.24%	17.84%	8.72%
Engineering/Construction	1148	1.25	11.16%	55.38%	52.45%	4.63%	16.43%	3.24%	44.62%	7.63%
Entertainment	350	1.12	10.22%	78.33%	59.72%	4.63%	9.53%	3.24%	21.67%	8.71%
Environmental & Waste Services	307	1.27	11.27%	73.32%	62.88%	4.63%	12.00%	3.24%	26.68%	9.12%
Farming/Agriculture	408	0.90	8.64%	62.38%	46.18%	4.13%	12.31%	2.89%	37.62%	6.48%
Financial Svcs. (Non-bank & Insurance)	966	0.79	7.82%	10.48%	45.27%	4.13%	17.63%	2.89%	89.52%	3.41%
Food Processing	1247	0.77	7.71%	79.19%	42.50%	4.13%	17.04%	2.89%	20.81%	6.71%
Food Wholesalers	125	0.81	7.97%	55.49%	45.54%	4.13%	17.28%	2.89%	44.51%	5.71%
Furn/Home Furnishings	303	1.01	9.42%	83.29%	49.73%	4.13%	17.42%	2.89%	16.71%	8.33%
Green & Renewable Energy	167	1.20	10.79%	57.86%	53.45%	4.63%	7.31%	3.24%	42.14%	7.61%
Healthcare Products	642	0.97	9.16%	87.20%	58.69%	4.63%	9.03%	3.24%	12.80%	8.40%
Healthcare Support Services	335	1.11	10.15%	77.07%	47.70%	4.13%	16.34%	2.89%	22.93%	8.49%

Cost of Capital in US\$ by Sector: Global Companies

Industry Name	Number of Firms	Beta	Cost of Equity	E/(D+E)	Std Dev in Stock	Cost of Debt	Tax Rate	After-tax Cost of Debt	D/(D+E)	Cost of Capital
Heathcare Information and Technology	285	1.14	10.33%	83.51%	68.43%	5.13%	7.48%	3.59%	16.49%	9.22%
Homebuilding	160	1.34	11.77%	63.47%	51.33%	4.63%	19.66%	3.24%	36.53%	8.65%
Hospitals/Healthcare Facilities	199	0.83	8.15%	61.66%	41.92%	4.13%	14.53%	2.89%	38.34%	6.13%
Hotel/Gaming	665	0.94	8.90%	71.40%	46.98%	4.13%	13.44%	2.89%	28.60%	7.18%
Household Products	465	0.98	9.19%	87.30%	50.39%	4.63%	14.42%	3.24%	12.70%	8.44%
Information Services	185	1.06	9.78%	88.29%	51.45%	4.63%	16.67%	3.24%	11.71%	9.02%
Insurance (General)	233	0.72	7.31%	70.70%	35.05%	4.13%	15.32%	2.89%	29.30%	6.01%
Insurance (Life)	124	1.04	9.61%	67.15%	36.75%	4.13%	19.65%	2.89%	32.85%	7.40%
Insurance (Prop/Cas.)	220	0.60	6.45%	76.03%	37.33%	4.13%	16.95%	2.89%	23.97%	5.60%
Investments & Asset Management	914	0.89	8.57%	61.59%	47.25%	4.13%	7.34%	2.89%	38.41%	6.39%
Machinery	1272	1.12	10.23%	82.62%	48.15%	4.13%	18.36%	2.89%	17.38%	8.95%
Metals & Mining	1589	1.43	12.45%	68.13%	79.34%	5.13%	3.84%	3.59%	31.87%	9.63%
Office Equipment & Services	155	0.91	8.73%	69.52%	48.07%	4.13%	18.62%	2.89%	30.48%	6.95%
Oil/Gas (Integrated)	55	1.40	12.19%	72.65%	40.33%	4.13%	25.44%	2.89%	27.35%	9.65%
Oil/Gas (Production and Exploration)	1140	1.48	12.82%	68.02%	73.94%	5.13%	7.19%	3.59%	31.98%	9.87%
Oil/Gas Distribution	215	1.23	11.02%	65.42%	45.55%	4.13%	9.45%	2.89%	34.58%	8.21%
Oilfield Svcs/Equip.	586	1.38	12.11%	66.58%	56.14%	4.63%	14.44%	3.24%	33.42%	9.15%
Packaging & Container	398	0.79	7.84%	68.43%	44.72%	4.13%	19.10%	2.89%	31.57%	6.28%
Paper/Forest Products	303	0.96	9.06%	57.04%	47.03%	4.13%	11.45%	2.89%	42.96%	6.41%
Power	574	0.87	8.42%	50.81%	38.21%	4.13%	17.82%	2.89%	49.19%	5.70%
Precious Metals	1079	1.48	12.80%	73.78%	95.83%	6.13%	2.76%	4.29%	26.22%	10.57%
Publishing & Newspapers	373	1.02	9.50%	75.28%	52.04%	4.63%	15.36%	3.24%	24.72%	7.95%
R.E.I.T.	482	0.79	7.81%	55.51%	29.85%	4.13%	2.28%	2.89%	44.49%	5.62%
Real Estate (Development)	703	1.16	10.52%	52.58%	48.53%	4.13%	18.31%	2.89%	47.42%	6.90%
Real Estate (General/Diversified)	449	1.08	9.90%	55.89%	49.50%	4.13%	15.67%	2.89%	44.11%	6.81%
Real Estate (Operations & Services)	577	0.92	8.77%	52.75%	43.86%	4.13%	13.25%	2.89%	47.25%	5.99%
Recreation	293	1.07	9.82%	78.37%	49.10%	4.13%	16.97%	2.89%	21.63%	8.32%
Reinsurance	40	1.21	10.83%	75.13%	28.34%	4.13%	10.37%	2.89%	24.87%	8.85%
Restaurant/Dining	306	0.84	8.21%	75.39%	41.15%	4.13%	21.40%	2.89%	24.61%	6.90%
Retail (Automotive)	149	0.96	9.05%	66.26%	43.92%	4.13%	22.04%	2.89%	33.74%	6.97%
Retail (Building Supply)	50	1.03	9.54%	79.57%	35.64%	4.13%	30.31%	2.89%	20.43%	8.18%
Retail (Distributors)	889	0.93	8.84%	51.54%	49.35%	4.13%	19.27%	2.89%	48.46%	5.96%
Retail (General)	231	0.93	8.84%	69.18%	40.14%	4.13%	23.10%	2.89%	30.82%	7.00%
Retail (Grocery and Food)	180	0.85	8.24%	59.18%	36.41%	4.13%	24.27%	2.89%	40.82%	6.06%
Retail (Online)	115	1.42	12.34%	91.56%	72.03%	5.13%	11.89%	3.59%	8.44%	11.60%
Retail (Special Lines)	540	1.03	9.57%	75.41%	47.17%	4.13%	22.00%	2.89%	24.59%	7.93%
Rubber& Tires	89	1.13	10.29%	71.61%	43.79%	4.13%	22.00%	2.89%	28.39%	8.19%
Semiconductor	564	1.27	11.30%	88.53%	53.27%	4.63%	10.38%	3.24%	11.47%	10.38%
Semiconductor Equip	259	1.40	12.25%	86.53%	57.71%	4.63%	10.34%	3.24%	13.47%	11.04%
Shipbuilding & Marine	354	1.26	11.19%	55.90%	49.49%	4.13%	12.88%	2.89%	44.10%	7.53%

January 2015

Cost of Capital in US\$ by Sector: Global Companies

Industry Name	Number of Firms	Beta	Cost of Equity	E/(D+E)	Std Dev in Stock	Cost of Debt	Tax Rate	After-tax Cost of Debt	D/(D+E)	Cost of Capital
Shoe	95	0.86	8.35%	89.48%	49.82%	4.13%	19.78%	2.89%	10.52%	7.78%
Software (Entertainment)	119	1.19	10.72%	90.52%	68.74%	5.13%	11.09%	3.59%	9.48%	10.04%
Software (Internet)	759	1.34	11.77%	94.77%	68.76%	5.13%	8.54%	3.59%	5.23%	11.34%
Software (System & Application)	991	1.12	10.24%	91.86%	62.34%	4.63%	11.22%	3.24%	8.14%	9.67%
Steel	757	1.28	11.34%	52.66%	54.23%	4.63%	13.50%	3.24%	47.34%	7.51%
Telecom (Wireless)	117	1.17	10.55%	67.21%	47.57%	4.13%	13.18%	2.89%	32.79%	8.04%
Telecom. Equipment	484	1.18	10.61%	88.28%	57.38%	4.63%	11.08%	3.24%	11.72%	9.75%
Telecom. Services	308	1.01	9.44%	61.37%	50.50%	4.63%	14.45%	3.24%	38.63%	7.05%
Tobacco	61	0.77	7.66%	85.57%	39.03%	4.13%	18.39%	2.89%	14.43%	6.97%
Transportation	225	0.88	8.49%	68.11%	42.81%	4.13%	21.11%	2.89%	31.89%	6.70%
Transportation (Railroads)	53	1.00	9.36%	73.76%	32.27%	4.13%	25.45%	2.89%	26.24%	7.66%
Trucking	190	0.96	9.04%	61.43%	42.00%	4.13%	22.49%	2.89%	38.57%	6.67%
Unclassified	33	0.86	8.34%	63.76%	58.05%	4.63%	8.19%	3.24%	36.24%	6.49%
Utility (General)	56	0.80	7.90%	54.28%	32.08%	4.13%	24.40%	2.89%	45.72%	5.61%
Utility (Water)	98	0.98	9.17%	67.11%	42.62%	4.13%	15.37%	2.89%	32.89%	7.11%
Total Market	42410	1.07	9.87%	55.76%	51.47%	4.63%	14.07%	3.24%	44.24%	6.94%

Corporate	Finance	Essent	ials (
Corporate	I IIIaiicc	LOSCIII	licilo (

100	COMBRED BOURS BURNERS WAS INVESTIGATED AND A PROPERTY OF A	Estimate 2012 A				Restated 2009 A
Fo	or the period ending	2012-12-31	2012-3-31	2011-12-31	2010-12-31	2009-12-31
	evenue	216,328.25	230,522.00	230,859.00	175,752.00	136,016,00
E	BITDA	25,366.80	25,443.00	26,270.00	22,655.00	17,606.00
	perating Income	17,315.89	17,741.00	18.336.00	13,595.00	8,311.00
To	otal interest expense		1,441.00	1,460.00	1,658.00	1,776.00
Ne	et Income	8,586.67	12,345.00	12,435.00	11,358.00	4,414.00
Ca	ash & Equivalents		4,215.00	6,361.00	10,427.00	542.00
	otal debt		28,360.00	22.623.00	23,592.00	28,653.00
	otal Debt Weighted					
	verage Maturity					
To	otal Equity		67,043.00	65,734.00	69,109.00	62,613,00
Ct	ng in non-cash wc		1,748.00	-351,00	1,867,00	-538.00
Ca	apital Expenditures	-13,840.40	-14,642.00	-13,266,00	-9,761.00	-10,861.00
	crease: LT Debt		5,794.00	0.00	118.00	9,087.00
De	ecrease: LT Debt					
Inc	c(Dec) ST Debt		0.00	0.00	0.00	0.00
M	arket cap.		66,452.45	96,752.33	100,054.19	75,772.27
Mi	inority Interest		509.00	510.00	547.00	590.00
Ef	f tax rate		46.03	45.65	42.19	53.12
Ne	et Cash Paid for				0.00	0.00
	equisitions					
W	orking Capital		636,00	2,150.00	7,241.00	-2,528.00
	p Lease - Current			869.00	891.00	990.00
O	p Lease - Yr 1			767.00	752.00	872.00
O	p Lease - Yr 2			519.00	573.00	637.00
O	p Lease - Yr 3			382.00	460.00	529.00
O	p Lease - Yr 4			300.00	309.00	346,00
O	p Lease - Yr 5			202.00	245.00	272,00
O	p Lease - Beyond yr 5			591.00	557.00	721.00
Di	vidends Paid		-3,531.00	-3,632.00	-3,175.00	-2,832.00
De	ec capital stock		-11,399,00	-11,123.00	-3,866.00	0.00
Ct	urrent Shares		1,264.56	1,327.74	1,469.22	1,483.69
O	utstanding			×		
Pr	rice per share		52.04	51.91	38.93	39.49
O	ptions Outstanding			24.37	32.61	36.43
Er	nd Of Period					
A	vg Exercise Price			45.73	39.54	37.13
(C	Options Outstanding)					
O	p Lease - Years 2 - 5			1,403.00	1,587.00	1,784.00
R	& D expenditures			267.00	230.00	

Pre-tax Return on capital

= Operating Income/

(BV of Debt last year + BV of Equity last year –Cash last year)

= 17741/(22,623+55,734-6,361) = 24.64%

After-tax Return on capital =

Pre-tax Return on capital (1- tax rate)

= 24.64% (1-.4603) = .1330 or 13.30%

Tax rate used: Effective tax rate (from this page)

Indian companies: ROIC & Return Spreads

Company	EBIT	Effective Tax Rate	Total Debt	Book Equity	Cash	Invested Capital	ROIC	Cost of Capital
Ranbaxy	10,399₹	23.97%	59,648₹	35,965₹	14,524₹	81,089₹	9.75%	12.91%
Tube Investments	20,480₹	31.86%	194,594₹	33,151₹	14,740₹	213,005₹	6.55%	13.11%
SKF	2,151₹	33.77%	0₹	12 <i>,</i> 755₹	3,744₹	9,011₹	15.81%	14.38%
Titan Co	10,588₹	22.18%	0₹	19,699₹	11,205₹	8,494₹	97.00%	13.88%
Bharti Airtel	157,849₹	45.64%	758,958₹	639,662₹	112,073₹	1,286,547₹	6.67%	12.35%
India Cements	4,822₹	31.48%	34,984₹	36,961₹	80₹	71,865₹	4.60%	14.37%
Brittania	7,177₹	27.49%	1,549₹	8,805₹	2,677₹	7,677₹	67.79%	11.41%
Reliance Industries	258,170₹	24.02%	1,387,550₹	1,996,460₹	678,450₹	2,705,560₹	7.25%	13.13%
Dr. Reddy's Lab	26,286₹	21.25%	44,742₹	90,801₹	33,534₹	102,009₹	20.29%	11.35%
Bajaj Auto	38,457₹	29.58%	592₹	101,673₹	27,814₹	74,451₹	36.37%	12.28%
Wipro	91,786₹	22.05%	63,751₹	344,886₹	174,758₹	233,879₹	30.59%	11.33%
Shoppers Stop	1,427₹	37.04%	6,449₹	4,920₹	237₹	11,132₹	8.07%	13.29%

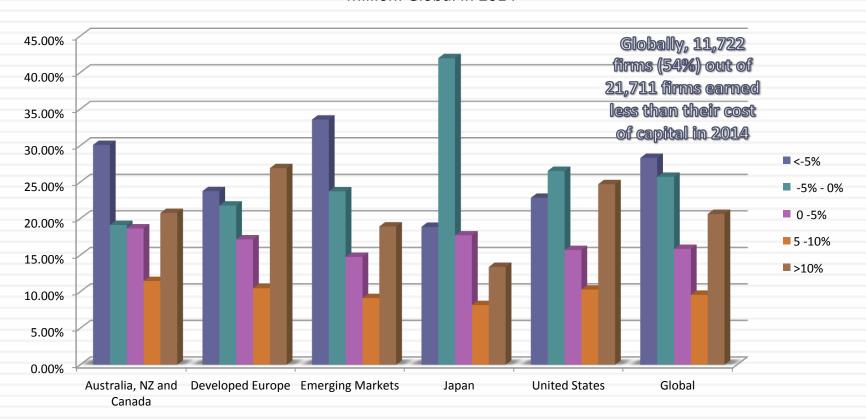
Excess Returns by Sector: Global

Indicate Manage	Number of Firms Bet	a ROE	C+ - 6 Fit	(ROE - COE)	DI/ - £ Fit-	_	Equity EVA	ROC	Cook of Comital	(ROC - WACC)	D1/ - f C it - l	_	EVA
Industry Name Advertising	Number of Firms Bet 253 1.2		Cost of Equity 11.31%	-1.10%	BV of Equity \$ 58,025.47	\$	(635.68)	28.21%	Cost of Capital 9.43%	18.79% \$	BV of Capital 35,552.32	\$	6,678.69
Aerospace/Defense	208 1.0		9.91%		\$ 222,012.29	\$	24,712.89	24.34%	8.64%	15.70%		-	40,206.18
Air Transport	158 1.0		9.91%		. ,	\$	1,871.83	5.17%	6.50%	-1.33%	•	\$	(6,758.79)
Apparel	1174 0.8		8.06%		· ,	\$	10,260.03	14.95%	7.10%	7.85%	•	-	26,169.77
Auto & Truck	125 1.2		11.37%		· · · · · · · · · · · · · · · · · · ·	-	22,318.91	6.47%	7.10%	-1.06%	•	-	(16,164.77)
Auto Parts	632 1.2		11.37%		\$ 276,715.83	-	•	11.15%	9.47%	1.67%		\$	6,663.52
						_	6,017.63				•	_	,
Bank (Money Center)	604 1.0 911 0.6		9.52%		\$ 5,029,075.28	\$	36,940.87	0.00%	4.66%		18,333,051.49	<u> </u>	853,982.93)
Banks (Regional)			6.88%		\$ 654,840.28	\$	10,931.87	-0.03%	4.76%		,	_	(43,867.71)
Beverage (Alcoholic)	216 0.7		7.85%		. ,	\$	17,090.20	13.38%	6.91%	6.47%	,	_	24,154.47
Beverage (Soft)	108 0.9		8.86%			_	10,825.10		7.71%	14.13%	,	<u> </u>	16,813.04
Broadcasting	138 1.3 551 1.0		11.85% 9.70%		\$ 82,889.07 \$ 362,836.22	-	(2,663.47)		9.32% 5.36%	6.29% \$ -5.32% \$		\$	6,297.58
Brokerage & Investment Banking					·	-	(2,473.75)					<u> </u>	(82,362.46)
Building Materials	432 0.9		9.06%		\$ 134,032.70	\$	(749.01)		7.39%	2.46%	•	\$	4,306.71
Business & Consumer Services	759 1.0		9.69%	5.52%	. ,	\$	7,760.41	21.64%	8.28%	13.36%	•	<u> </u>	19,632.32
Cable TV	64 0.9		9.10%	14.65%	· ,	<u> </u>	12,565.04		7.05%	8.67%	•	<u> </u>	20,215.38
Chemical (Basic)	731 0.9		8.99%		\$ 314,445.71	-	(229.82)		7.14%	3.79%		<u> </u>	18,344.86
Chemical (Diversified)	85 1.4		12.38%		\$ 142,014.32	•	66.14	9.22%	9.64%	-0.42%	,	\$	(1,047.34)
Chemical (Specialty)	700 1.0		9.55%		\$ 317,700.80	\$	8,773.07	11.95%	8.28%	3.67%			15,608.73
Coal & Related Energy	321 1.3		12.08%			-	(12,946.78)		9.11%	-1.75%		-	(4,361.38)
Computer Services	934 0.9		9.26%		· · · · · · · · · · · · · · · · · · ·	-	20,810.89	23.36%	8.29%	15.07%	•	_	33,136.58
Computers/Peripherals	329 1.1		10.29%		\$ 485,087.44	-	38,629.09	17.59%	9.51%	8.08%			46,924.73
Construction Supplies	751 1.1		10.46%		\$ 457,063.60	\$	(7,147.85)		8.01%	-0.08%	•	\$	(608.53)
Diversified	378 1.0		9.93%		\$ 973,690.52	\$	7,995.80	7.85%	7.13%	0.72%		<u> </u>	12,095.07
Drugs (Biotechnology)	782 1.1		10.48%		<u> </u>		89.03	12.46%	9.98%	2.48%	•	\$	4,501.31
Drugs (Pharmaceutical)	877 0.9	1 15.00%	8.68%	6.32%	\$ 754,355.73	\$	47,652.84	13.90%	8.06%	5.84%	1,093,419.45	<u> </u>	63,885.78
Education	170 1.1		10.33%		\$ 23,716.67	\$	(1,002.40)	11.93%	8.79%	3.15%		\$	807.70
Electrical Equipment	838 1.1		10.06%		\$ 260,938.70	-	(6,003.61)		8.55%	3.26%		_	10,104.27
Electronics (Consumer & Office)	151 1.2	2.35%	10.91%	-8.56%	\$ 88,685.15	\$	(7,590.08)	4.86%	8.70%	-3.84%	175,930.88	\$	(6,759.58)
Electronics (General)	1227 1.0		9.90%		<u> </u>	\$	(2,934.57)		8.72%	-0.10%		_	(468.79)
Engineering/Construction	1148 1.2	5 7.62%	11.16%	-3.54%	\$ 414,311.76	\$	(14,658.16)	8.60%	7.63%	0.98%	721,278.51	\$	7,036.46
Entertainment	350 1.1	2 15.25%	10.22%	5.03%	\$ 128,526.59	\$	6,463.19	22.91%	8.71%	14.20%	123,660.25	\$	17,563.54
Environmental & Waste Services	307 1.2		11.27%	-5.33%	\$ 48,397.00	\$	(2,581.46)	14.39%	9.12%	5.27%	•	\$	3,020.60
Farming/Agriculture	408 0.9	9.68%	8.64%	1.04%	\$ 162,622.40	\$	1,685.39	8.13%	6.48%	1.65%	286,014.24	\$	4,720.15
Financial Svcs. (Non-bank & Insurance)	966 0.7	9 24.84%	7.82%	17.02%	\$ 521,725.62	\$	88,790.09	0.36%	3.41%	-3.05%	9,443,887.52	\$ (2	288,157.74)
Food Processing	1247 0.7	7 12.64%	7.71%	4.93%	\$ 504,482.92	\$	24,874.77	14.22%	6.71%	7.51%	633,504.15	\$	47,580.55
Food Wholesalers	125 0.8	1 10.68%	7.97%	2.71%	\$ 26,527.02	\$	719.01	15.64%	5.71%	9.94%	41,735.49	\$	4,147.01
Furn/Home Furnishings	303 1.0	1 15.35%	9.42%	5.93%	\$ 81,139.03	\$	4,811.60	16.09%	8.33%	7.76%	92,359.55	\$	7,168.40
Green & Renewable Energy	167 1.2	0 7.80%	10.79%	-2.99%	\$ 64,081.35	\$	(1,917.58)	8.15%	7.61%	0.54%	133,848.74	\$	727.66
Healthcare Products	642 0.9	7 11.45%	9.16%	2.29%	\$ 193,400.16	\$	4,435.44	15.69%	8.40%	7.29%	225,139.21	\$	16,411.70
Healthcare Support Services	335 1.1	1 11.38%	10.15%	1.23%	\$ 241,334.30	\$	2,967.80	28.81%	8.49%	20.33%	168,966.24	\$	34,343.81
Heathcare Information and Technology	285 1.1	4 9.65%	10.33%	-0.68%	\$ 56,104.71	\$	(383.81)	15.56%	9.22%	6.34%	64,319.58	\$	4,077.28
Homebuilding	160 1.3	4 12.17%	11.77%	0.40%	\$ 89,425.74	\$	355.44	8.08%	8.65%	-0.57%	143,813.74	\$	(820.40)
Hospitals/Healthcare Facilities	199 0.8	3 12.24%	8.15%	4.10%	\$ 81,824.30	\$	3,352.24	8.13%	6.13%	1.99%	•	\$	4,050.76
Hotel/Gaming	665 0.9	4 9.68%	8.90%	0.78%	\$ 255,453.70	\$	2,003.25	9.28%	7.18%	2.10%	•	\$	8,495.31
Household Products	465 0.9		9.19%		\$ 199,979.07	\$	16,785.89	23.56%	8.44%	15.12%	,	_	31,872.02
Information Services	185 1.0	_	9.78%	12.58%	. ,	-	12,856.31	35.83%	9.02%	26.81%	,	_	22,444.00
Insurance (General)	233 0.7		7.31%		\$ 540,830.77	-	18,714.33	14.32%	6.01%	8.30%	•	_	47,153.83
Insurance (Life)	124 1.0		9.61%		\$ 600,839.89	\$	8,053.53	12.13%	7.40%	4.72%	•	<u> </u>	35,410.05
Insurance (Prop/Cas.)	220 0.6		6.45%		\$ 365,936.00	\$	15,490.10	12.48%	5.60%	6.88%	•	-	30,247.37
Investments & Asset Management	914 0.8		8.57%		\$ 342,763.84	\$	12,613.47	8.21%	6.39%	1.82%	•	\$	9,483.32
Machinery		2 11.77%			+,	<u> </u>	5,802.36		8.95%	3.31%	•		14,636.79
	12,2 1.1		10.23/0	1.5 170	+ 0.0,002.00	· •	5,552.50	12.2770	3.5570	3.31/0		<u> </u>	,000.70

Metals & Mining	1589 1.43	8.00%	12.45%	-4.45%	\$ 652.113.20	\$ (29,020.32)	11.67%	9.63%	2.05%	\$ 979.450.12	\$ 20.052.44
Office Equipment & Services	155 0.91	10.97%	8.73%	2.23%	\$ 19,529.19	\$ 435.82	12.73%	6.95%	5.78%	\$ 28,753.61	\$ 1,661.11
Oil/Gas (Integrated)	55 1.40	11.41%	12.19%	-0.78%	\$ 1,942,272.99	\$ (15,212.15)	9.99%	9.65%	0.35%	\$ 2,494,902.49	\$ 8,616.70
Oil/Gas (Production and Exploration)	1140 1.48	8.23%	12.82%	-4.59%	\$ 791,509.26	\$ (36,353.98)	11.72%	9.87%	1.85%	\$ 1,119,192.26	\$ 20,718.92
Oil/Gas Distribution	215 1.23	9.15%	11.02%	-1.86%	\$ 222,227.55	\$ (4,133.89)	8.39%	8.21%	0.18%	\$ 503,601.88	\$ 925.02
Oilfield Svcs/Equip.	586 1.38	9.97%	12.11%	-2.14%	\$ 488,274.18	\$ (10,439.89)	10.48%	9.15%	1.33%	\$ 707,002.98	\$ 9,430.58
Packaging & Container	398 0.79	11.20%	7.84%	3.36%	\$ 81,137.23	\$ 2,726.89	11.72%	6.28%	5.44%	\$ 129,263.91	\$ 7,031.15
Paper/Forest Products	303 0.96	4.52%	9.06%	-4.53%	\$ 134,266.01	\$ (6,088.69)	5.61%	6.41%	-0.80%	\$ 240,237.70	\$ (1,918.13)
Power	574 0.87	8.15%	8.42%	-0.26%	\$ 1,252,718.27	\$ (3,305.93)	6.80%	5.70%	1.10%	\$ 2,650,836.21	\$ 29,160.85
Precious Metals	1079 1.48	-6.32%	12.80%	-19.13%	\$ 229,077.32	\$ (43,813.53)	2.64%	10.57%	-7.93%	\$ 273,163.28	\$ (21,655.28)
Publshing & Newspapers	373 1.02	13.40%	9.50%	3.90%	\$ 135,815.92	\$ 5,291.94	10.71%	7.95%	2.75%	\$ 137,341.05	\$ 3,781.89
R.E.I.T.	482 0.79	10.48%	7.81%	2.67%	\$ 579,950.61	\$ 15,481.46	3.32%	5.62%	-2.31%	\$ 1,482,976.32	\$ (34,211.67)
Real Estate (Development)	703 1.16	14.27%	10.52%	3.76%	\$ 429,557.17	\$ 16,143.81	9.14%	6.90%	2.24%	\$ 663,214.68	\$ 14,841.11
Real Estate (General/Diversified)	449 1.08	8.94%	9.90%	-0.96%	\$ 457,568.39	\$ (4,409.20)	4.89%	6.81%	-1.92%	\$ 781,898.80	\$ (15,035.54)
Real Estate (Operations & Services)	577 0.92	8.00%	8.77%	-0.77%	\$ 267,203.57	\$ (2,049.44)	5.23%	5.99%	-0.76%	\$ 519,715.76	\$ (3,969.11)
Recreation	293 1.07	11.81%	9.82%	1.99%	\$ 66,939.85	\$ 1,330.66	9.82%	8.32%	1.50%	\$ 101,093.89	\$ 1,519.23
Reinsurance	40 1.21	13.66%	10.83%	2.83%	\$ 128,296.56	\$ 3,632.00	14.99%	8.85%	6.14%	\$ 139,352.04	\$ 8,555.84
Restaurant/Dining	306 0.84	19.55%	8.21%	11.34%	\$ 84,681.78	\$ 9,602.07	12.01%	6.90%	5.10%	\$ 172,026.24	\$ 8,781.68
Retail (Automotive)	149 0.96	19.36%	9.05%	10.30%	\$ 39,136.86	\$ 4,032.24	9.99%	6.97%	3.02%	\$ 92,327.80	\$ 2,784.72
Retail (Building Supply)	50 1.03	19.41%	9.54%	9.87%	\$ 55,796.88	\$ 5,507.20	11.71%	8.18%	3.53%	\$ 101,393.22	\$ 3,579.74
Retail (Distributors)	889 0.93	9.61%	8.84%	0.77%	\$ 349,102.06	\$ 2,681.21	6.18%	5.96%	0.22%	\$ 668,340.14	\$ 1,450.46
Retail (General)	231 0.93	12.52%	8.84%	3.68%	\$ 352,388.52	\$ 12,967.53	9.01%	7.00%	2.00%	\$ 599,718.81	\$ 12,013.61
Retail (Grocery and Food)	180 0.85	10.18%	8.24%	1.93%	\$ 193,984.83	\$ 3,750.53	7.30%	6.06%	1.24%	\$ 372,521.61	\$ 4,622.97
Retail (Online)	115 1.42	11.52%	12.34%	-0.82%	\$ 29,950.27	\$ (246.73)	17.10%	11.60%	5.50%	\$ 34,390.91	\$ 1,890.50
Retail (Special Lines)	540 1.03	14.05%	9.57%	4.47%	\$ 276,477.25	\$ 12,367.94	11.13%	7.93%	3.21%	\$ 448,507.73	\$ 14,375.18
Rubber& Tires	89 1.13	14.55%	10.29%	4.26%	\$ 62,113.01	\$ 2,648.18	12.44%	8.19%	4.25%	\$ 108,008.83	\$ 4,594.82
Semiconductor	564 1.27	14.96%	11.30%	3.66%	\$ 287,973.38	\$ 10,529.36	12.65%	10.38%	2.28%	\$ 432,419.68	\$ 9,842.46
Semiconductor Equip	259 1.40	5.44%	12.25%	-6.81%	· ,	\$ (5,089.53)	8.54%	11.04%	-2.50%	\$ 97,777.23	\$ (2,446.58)
Shipbuilding & Marine	354 1.26	6.54%	11.19%	-4.65%		\$ (10,803.77)	4.65%	7.53%	-2.89%	\$ 440,760.68	\$ (12,724.23)
Shoe	95 0.86		8.35%		\$ 36,255.58	\$ 2,690.75	14.71%	7.78%		\$ 43,901.50	\$ 3,044.77
Software (Entertainment)	119 1.19	8.30%	10.72%	-2.41%	· •	\$ (1,100.70)	9.82%	10.04%		\$ 37,891.28	\$ (85.04)
Software (Internet)	759 1.34	14.78%	11.77%	3.01%	· · ·	\$ 6,001.43	17.14%	11.34%		\$ 211,468.23	\$ 12,265.02
Software (System & Application)	991 1.12	17.73%	10.24%	7.49%	. ,	\$ 19,785.16	21.97%	9.67%		\$ 290,263.73	\$ 35,696.77
Steel	757 1.28	0.65%	11.34%	-10.70%	. ,	, ,	5.22%	7.51%		\$ 845,783.97	\$ (19,376.41)
Telecom (Wireless)	117 1.17	23.02%	10.55%	12.48%	·	\$ 70,782.78	9.69%	8.04%		\$ 876,166.89	\$ 14,452.67
Telecom. Equipment	484 1.18		10.61%		\$ 195,809.22	\$ 6,088.52	11.52%	9.75%		\$ 265,273.39	\$ 4,712.14
Telecom. Services	308 1.01	14.91%	9.44%		\$ 668,751.48	\$ 36,596.14	13.64%	7.05%		\$ 1,165,366.56	\$ 76,848.55
Tobacco	61 0.77	59.64%	7.66%	51.98%			52.27%	6.97%		\$ 84,433.86	\$ 38,241.62
Transportation	225 0.88		8.49%	5.40%	·		11.57%	6.70%		\$ 273,760.32	\$ 13,327.52
Transportation (Railroads)	53 1.00	13.83%	9.36%	4.47%			8.88%	7.66%		\$ 398,457.86	\$ 4,849.26
Trucking	190 0.96		9.04%	1.47%		\$ 863.12	9.19%	6.67%		\$ 124,818.73	\$ 3,157.06
Unclassified	33 0.86	-7.15%	8.34%	-15.49%	•	\$ (50.65)	6.38%	6.49%	-0.11%	•	\$ (0.79)
Utility (General)	56 0.80	2.02%	7.90%	-5.88%	· ,	\$ (20,320.67)	7.44%	5.61%		\$ 663,006.20	\$ 12,172.14
Utility (Water)	98 0.98	13.69%	9.17%		\$ 41,936.65	\$ 1,892.18	9.19%	7.11%		\$ 82,466.60	\$ 1,715.34
Total Market	42410 1.07	11.42%	9.87%	1.56%	\$ 31,808,271.03	\$ 494,651.65	5.93%	6.94%	-1.01%	\$ 69,545,764.00	\$ (700,731.10)

Return Spreads Globally in January 2015

Excess Return (ROC minus Cost of Capital) for firms with market capitalization> \$50 million: Global in 2014



	Number of				Market Debt to Capital (adjusted	Market D/E (adjusted
Industry	firms	Book Debt to Capital	Market Debt to Capital (Unadjusted)	Market D/E (unadjusted)	for leases)	for leases)
Advertising	253	34.09%	17.12%	20.66%	23.31%	30.39%
Aerospace/Defense	208	39.00%	16.39%	19.60%	18.10%	22.09%
Air Transport	158	58.23%	37.69%	60.48%	49.06%	96.31%
Apparel	1174	28.45%	14.93%	17.54%	19.89%	24.84%
Auto & Truck	125	53.78%	44.90%	81.48%	45.27%	82.73%
Auto Parts	632	30.49%	19.25%	23.83%	20.24%	25.38%
Bank (Money Center)	604	75.18%	73.21%	273.33%	73.39%	275.73%
Banks (Regional)	911	51.50%	52.61%	111.00%	53.21%	113.70%
Beverage (Alcoholic)	216	39.04%	18.28%	22.37%	18.82%	23.18%
Beverage (Soft)	108	51.47%	18.55%	22.77%	19.20%	23.77%
Broadcasting	138	46.56%	26.99%	36.97%	29.37%	41.58%
Brokerage & Investment Banking	551	77.87%	66.90%	202.15%	67.14%	204.34%
Building Materials	432	37.40%	25.45%	34.14%	27.13%	37.23%
Business & Consumer Services	759	42.22%	18.71%	23.02%	21.87%	27.99%
Cable TV	64	73.28%	32.15%	47.39%	32.90%	49.03%
Chemical (Basic)	731	37.84%	29.59%	42.03%	30.25%	43.37%
Chemical (Diversified)	85	41.93%	27.48%	37.89%	28.94%	40.73%
Chemical (Specialty)	700	36.33%	18.10%	22.10%	19.09%	23.60%
Coal & Related Energy	321	40.91%	34.71%	53.15%	35.06%	53.98%
Computer Services	934	35.70%	13.88%	16.12%	16.07%	19.15%
Computers/Peripherals	329	22.51%	10.37%	11.56%	11.15%	12.55%
Construction Supplies	751	43.78%	31.62%	46.24%	32.34%	47.79%
Diversified	378	45.69%	38.64%	62.97%	39.72%	65.89%
Drugs (Biotechnology)	782	37.39%	7.08%	7.61%	7.64%	8.28%
Drugs (Pharmaceutical)	877	31.40%	10.96%	12.31%	11.43%	12.91%
Education	170	25.78%	13.58%	15.71%	21.75%	27.79%
Electrical Equipment	838	35.81%	20.03%	25.05%	21.03%	26.63%
Electronics (Consumer & Office)	151	35.40%	27.17%	37.30%	28.81%	40.46%
Electronics (General)	1227	26.99%	17.19%	20.75%	17.84%	21.71%
Engineering/Construction	1148	53.38%	43.70%	77.62%	44.62%	80.56%
Entertainment	350	41.42%	17.67%	21.47%	21.67%	27.67%
Environmental & Waste Services	307	46.02%	24.61%	32.64%	26.68%	36.38%
Farming/Agriculture	408	48.07%	36.85%	58.34%	37.62%	60.31%
Financial Svcs. (Non-bank & Insurance)	966	91.71%	89.49%	851.43%	89.52%	854.38%

Industry	Number of firms	Book Debt to Capital	Market Debt to Capital (Unadjusted)	Market D/E (unadjusted)	Market Debt to Capital (adjusted for leases)	Market D/E (adjusted for leases)
Food Processing	1247	39.67%	19.65%	24.45%	20.81%	26.27%
Food Wholesalers	125	45.97%	40.46%	67.96%	44.51%	80.21%
Furn/Home Furnishings	303	28.91%	15.09%	17.77%	16.71%	20.06%
Green & Renewable Energy	167	52,46%	41.78%	71.76%	42.14%	72.84%
Healthcare Products	642	33.68%	12.08%	13.74%	12.80%	14.68%
Healthcare Support Services	335	39.24%	20.61%	25.95%	22.93%	29.75%
Heathcare Information and Technology	285	41.24%	15.14%	17.85%	16.49%	19.74%
Homebuilding	160	39.40%	32.36%	47.85%	36.53%	57.54%
Hospitals/Healthcare Facilities	199	60.55%	34.74%	53.22%	38.34%	62.18%
Hotel/Gaming	665	43.49%	25.15%	33.60%	28.60%	40.05%
Household Products	465	35.86%	11.60%	13.12%	12.70%	14.54%
Information Services	185	38.43%	10.67%	11.94%	11.71%	13.26%
Insurance (General)	233	29.37%	27.98%	38.86%	29.30%	41.45%
Insurance (Life)	124	39.13%	32.20%	47.49%	32.85%	48.93%
Insurance (Prop/Cas.)	220	26.47%	22.78%	29.51%	23.97%	31.52%
Investments & Asset Management	914	43.40%	37.57%	60.18%	38.41%	62.35%
Machinery	1272	31.87%	16.57%	19.86%	17.38%	21.04%
Metals & Mining	1589	36.68%	31.14%	45.23%	31.87%	46.77%
Office Equipment & Services	155	43.51%	24.57%	32.58%	30.48%	43.85%
Oil/Gas (Integrated)	55	23.26%	22.73%	29.41%	27.35%	37.65%
Oil/Gas (Production and Exploration)	1140	34.63%	30.69%	44.28%	31.98%	47.02%
Oil/Gas Distribution	215	51.92%	33.77%	50.99%	34.58%	52.85%
Oilfield Svcs/Equip.	586	39.83%	31.30%	45.56%	33.42%	50.20%
Packaging & Container	398	48.91%	30.22%	43.32%	31.57%	46.14%
Paper/Forest Products	303	48.39%	42.09%	72.67%	42.96%	75.32%
Power	574	54.56%	48.12%	92.74%	49.19%	96.82%
Precious Metals	1079	27.39%	25.98%	35.09%	26.22%	35.54%
Publshing & Newspapers	373	35.16%	21.96%	28.15%	24.72%	32.84%
R.E.I.T.	482	56.45%	43.46%	76.85%	44.49%	80.16%
Real Estate (Development)	703	47.15%	47.26%	89.63%	47.42%	90.20%
Real Estate (General/Diversified)	449	40.26%	42.19%	72.97%	44.11%	78.94%
Real Estate (Operations & Services)	577	45.79%	46.33%	86.33%	47.25%	89.56%
Recreation	293	37.36%	18.82%	23.19%	21.63%	27.60%
Reinsurance	40	22.29%	23.98%	31.55%	24.87%	33.10%

Debt Ratios by Sector: Global

					Market Debt to Capital	Market D/E
	Number of				(adjusted	(adjusted
Industry	firms	Book Debt to Capital	Market Debt to Capital (Unadjusted)	Market D/E (unadjusted)		for leases)
Restaurant/Dining	306	50.69%	16.54%	19.82%	24.61%	32.64%
Retail (Automotive)	149	58.36%	28.21%	39.30%	33.74%	50.93%
Retail (Building Supply)	50	42.64%	13.32%	15.37%	20.43%	25.68%
Retail (Distributors)	889	52.79%	46.80%	87.98%	48.46%	94.01%
Retail (General)	231	40.62%	22.80%	29.53%	30.82%	44.55%
Retail (Grocery and Food)	180	42.01%	28.55%	39.95%	40.82%	68.98%
Retail (Online)	115	34.64%	6.62%	7.09%	8.44%	9.22%
Retail (Special Lines)	540	32.18%	12.10%	13.76%	24.59%	32.61%
Rubber& Tires	89	37.51%	26.59%	36.23%	28.39%	39.64%
Semiconductor	564	26.63%	10.93%	12.27%	11.47%	12.95%
Semiconductor Equip	259	29.29%	13.11%	15.09%	13.47%	15.56%
Shipbuilding & Marine	354	43.90%	39.11%	64.22%	44.10%	78.89%
Shoe	95	19.46%	6.72%	7.20%	10.52%	11.76%
Software (Entertainment)	119	15.73%	8.20%	8.94%	9.48%	10.47%
Software (Internet)	759	16.41%	4.14%	4.31%	5.23%	5.52%
Software (System & Application)	991	25.04%	7.04%	7.58%	8.14%	8.86%
Steel	757	45.33%	46.76%	87.84%	47.34%	89.90%
Telecom (Wireless)	117	41.27%	28.78%	40.40%	32.79%	48.78%
Telecom. Equipment	484	24.65%	10.69%	11.97%	11.72%	13.28%
Telecom. Services	308	51.57%	35.35%	54.67%	38.63%	62.95%
Tobacco	61	64.07%	14.17%	16.50%	14.43%	16.87%
Transportation	225	47.76%	27.88%	38.66%	31.89%	46.82%
Transportation (Railroads)	53	45.81%	25.13%	33.56%	26.24%	35.57%
Trucking	190	55.57%	34.94%	53.72%	38.57%	62.80%
Unclassified	33	57.25%	36.16%	56.63%	36.24%	56.84%
Utility (General)	56	53.97%	44.77%	81.05%	45.72%	84.23%
Utility (Water)	98	50.89%	32.49%	48.13%	32.89%	49.01%
Total Market	42410	57.29%	43.01%	75.46%	44.24%	79.33%

Indian companies: Optimal Debt Ratios

		Market Debt to Capital	Optimal Debt to	
Company	EBITDA/EV	(Actual)	Capital Ratio	Change in value
Ranbaxy	3.51%	14.11%	10.00%	2.50%
Tube Investments	10.48%	71.74%	30.00%	22.80%
SKF	3.72%	0.00%	10.00%	0.16%
Titan Co	3.67%	0.31%	0.00%	-0.11%
Bharti Airtel	14.15%	28.55%	20.00%	3.35%
India Cements	14.29%	54.12%	20.00%	23.72%
Brittania	2.72%	0.44%	0.00%	-0.17%
Reliance Industries	9.93%	36.21%	40.00%	0.44%
Dr. Reddy's Lab	5.33%	6.70%	10.00%	0.73%
Bajaj Auto	6.43%	0.17%	10.00%	3.14%
Wipro	8.21%	5.45%	10.00%	1.76%
Shoppers Stop	6.68%	16.19%	10.00%	2.58%

Indian Companies: Debt Ratio comparison

Company	EBITDA	Debt/EBITDA	Market Debt to Capital	Industry for comparison	Industry Average Debt to Capital (Market)
Ranbaxy	\$14,413.00	4.17	14.11%	Drugs (Pharmaceutical)	11.43%
Tube Investments	\$22,188.00	7.32	71.74%	Steel	47.34%
SKF	\$2,715.00	0.00	0.00%	Machinery	17.38%
Titan Co	\$11,484.00	0.09	0.31%	Electronics (General)	17.84%
Bharti Airtel	\$313,124.00	2.12	28.55%	Telecom. Services	38.63%
India Cements	\$7,851.00	3.79	54.12%	Construction Supplies	32.34%
Brittania	\$8,622.00	0.16	0.44%	Food Processing	20.81%
Reliance Industries	\$373,640.00	4.31	36.21%	Chemical (Diversified)	28.94%
Dr. Reddy's Lab	\$32,555.00	1.32	6.70%	Drugs (Pharmaceutical)	11.43%
Bajaj Auto	\$41,132.00	0.03	0.17%	Auto & Truck	45.27%
Wipro	\$104,609.00	0.75	5.45%	Computer Services	16.07%
Shoppers Stop	\$2,680.00	2.44	16.19%	Retail (Special Lines)	24.59%

Dividend yield and payout

COP US Equity	98) Repor	t 99) Feedback		Page 3/4 Description:	Ratios
 Profile 	2) Issue Info		Ratios	4) Revenue & EPS	
Fiscal Year End	12/2011			5) Income Statements (FA	(IS)
* Last Quarter End	03/12 Q1			6) Balance Sheet (FA BS)	
~ Current/T12M	(USD)			7) Cash Flow (FA CF)	
Issue Data		Per Share Data		Cash Flow Analysis	
~ Last Px	USD/52.56			P/CF	3.2
~ P/E	5.9	~ EPS T12M	8.96	Curr P/FCF	9.9
~ Dvd Ind Yld	5.0%	~ DPS	2.64	CF/NI	1.6
* P/B	1.00	* Bk Val Per Sh	52.61	Dvd P/0	29.2%
~ P/S	0.3	Rev/BEPS	167.89	Cash Gen/Cash Reqd	1. 2
~ Curr EV/T12M EBITD	A 3.6	CPS	14.29	Cash Dividend Coverage	3.4
~ Mkt Cap	66458.8	* Curr Shares Out	1.3B	CFO/Sales	8.5%
~ Curr EV	91.1B	FCF/Basic Sh	4.64	Effective Interest Rate	6.3%
Growth Potential		Profitability		Structure	
Dil EPS frm Contin Op:	s 48.1%	EBITDA	26.3B	Curr Ratio	1.1
Capital - 1 Yr Growth	-4.7%	EBIT	18.3B	Quick Ratio	0.7
BVS - 1 Yr Growth	5.9%	OPM	7.9%	Debt/Assets	14.8%
R & D to Sales	0.1%	Pretax Mrgn	10.0%	Debt/Com Eq	34.7%
Retention Ratio	70.8%	ROA	8.0%	A/R Trnovr	16.2
Rev - 1 Yr Gr	31.4%	ROE	18.6%	Inv Turnover	42.5
Employees - 1 Yr Gro	wt 0.3%	ROC	14.4%	GM	9.5%
Assets - 1 Yr Growth		Asset Turnover		EBIT/Tot Int Exp	12.6
Australia 61 2 9777 8600 Brazil 5511 3048 4500 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000 Japan 81 3 3201 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2012 Bloomberg Finance L.P. SN 636136 EDT GMT-4:00 G712-4474-0 31-May-2012 15:58:18					

Industry	Number of firms	Dividend Payout	Dividend Yield	Market Cap	ROE	Institutional Holdings	Std Dev in Stock Prices
Advertising	253	51.39%	1.81%	\$168,196.90	10.21%	21.21%	56.72%
Aerospace/Defense	208	32.53%	1.76%	\$864,408.61	21.05%	38.43%	47.90%
Air Transport	158	32.69%	1.35%	\$455,372.09	11.09%	27.64%	43.55%
Apparel	1174	43.21%	1.88%	\$711,790.20	12.07%	15.14%	51.79%
Auto & Truck	125	29.62%	2.63%	\$1,112,947.75	14.68%	20.35%	45.05%
Auto Parts	632	22.84%	1.47%	\$570,952.62	13.32%	21.23%	47.79%
Bank (Money Center)	604	36.72%	3.03%	\$6,240,163.92	10.26%	19.70%	35.24%
Banks (Regional)	911	23.45%	1.87%	\$701,385.68	8.55%	25.91%	36.79%
Beverage (Alcoholic)	216	54.73%	2.41%	\$873,408.46	14.10%	21.40%	43.05%
Beverage (Soft)	108	58.13%	2.52%	\$435,567.72	20.79%	23.35%	42.96%
Broadcasting	138	55.67%	1.86%	\$214,655.41	8.64%	25.33%	50.58%
Brokerage & Investment Banking	551	27.72%	1.24%	\$733,725.16	9.01%	18.52%	56.73%
Building Materials	432	39.47%	1.79%	\$251,363.66	8.50%	22.23%	47.42%
Business & Consumer Services	759	65.48%	2.73%	\$512,365.16	15.21%	31.42%	50.70%
Cable TV	64	29.91%	1.04%	\$586,172.42	23.75%	30.61%	43.88%
Chemical (Basic)	731	62.94%	3.33%	\$529,131.53	8.91%	15.16%	46.40%
Chemical (Diversified)	85	46.56%	2.69%	\$305,167.70	12.43%	29.98%	43.73%
Chemical (Specialty)	700	47.61%	2.21%	\$844,562.31	12.32%	21.88%	49.35%
Coal & Related Energy	321	117.15%	3.47%	\$259,409.20	4.50%	15.11%	72.21%
Computer Services	934	31.39%	1.66%	\$743,351.03	19.68%	21.18%	52.97%
Computers/Peripherals	329	26.45%	1.78%	\$1,313,558.28	18.26%	23.53%	55.30%
Construction Supplies	751	54.25%	2.43%	\$1,515,536.26	8.90%	20.74%	48.14%
Diversified	378	29.93%	1.81%	\$1,731,835.29	10.75%	22.55%	38.88%
Drugs (Biotechnology)	782	29.31%	0.31%	\$1,731,833.29	10.75%	24.97%	85.38%
Drugs (Pharmaceutical)	877	61.73%	2.29%	\$3,053,203.01	15.00%	21.98%	55.39%
	170	62.79%	1.46%	\$5,053,203.01	6.10%	25.88%	56.66%
Education Electrical Equipment	838	57.16%	1.80%	\$643,520.58	7.76%	18.52%	49.99%
	151	101.58%	1.44%	. ,	2.35%	20.23%	52.36%
Electronics (Consumer & Office)				\$146,351.44			
Electronics (General)	1227	31.53%	1.40% 2.98%	\$757,549.66	9.11%	21.17%	52.45%
Engineering/Construction	1148	67.19%		\$711,728.15	7.62%	18.79%	52.45%
Entertainment	350	25.94%	1.13%	\$450,205.25	15.25%	18.75%	59.72%
Environmental & Waste Services	307	86.61%	1.89%	\$131,236.26	5.93%	22.58%	62.88%
Farming/Agriculture	408	37.77%	2.11%	\$281,862.12	9.68%	18.40%	46.18%
Financial Svcs. (Non-bank & Insurance)	966	333.91%	5.77%	\$1,072,215.05	24.84%	25.35%	45.27%
Food Processing	1247	51.45%	2.18%	\$1,507,502.58	12.64%	18.50%	42.50%
Food Wholesalers	125	50.99%	2.50%	\$57,743.90	10.68%	19.15%	45.54%
Furn/Home Furnishings	303	37.28%	2.14%	\$216,981.14	15.35%	20.25%	49.73%
Green & Renewable Energy	167	87.40%	3.38%	\$129,126.12	7.80%	16.29%	53.45%
Healthcare Products	642	38.96%	1.12%	\$772,281.64	11.45%	30.18%	58.69%
Healthcare Support Services	335	25.05%	1.05%	\$653,835.89	11.38%	31.37%	47.70%
Heathcare Information and Technology	285	17.60%	0.36%	\$262,498.45	9.65%	29.17%	68.43%
Homebuilding	160	19.62%	1.48%	\$144,152.30	12.17%	34.98%	51.33%
Hospitals/Healthcare Facilities	199	59.84%	1.99%	\$301,318.98	12.24%	35.63%	41.92%
Hotel/Gaming	665	53.66%	1.96%	\$679,003.08	9.68%	21.55%	46.98%
Household Products	465	54.33%	2.13%	\$898,844.34	17.59%	20.50%	50.39%
Information Services	185	25.90%	1.03%	\$577,126.54	22.36%	38.95%	51.45%
Insurance (General)	233	42.41%	3.51%	\$702,914.41	10.77%	31.00%	35.05%
Insurance (Life)	124	31.70%	2.06%	\$1,014,895.18	10.95%	35.40%	36.75%
Insurance (Prop/Cas.)	220	30.35%	2.34%	\$507,210.88	10.69%	39.49%	37.33%
Investments & Asset Management	914	45.31%	2.82%	\$674,984.32	12.25%	26.49%	47.25%

Total Market	42410	54.41%	3.02%	\$65,376,597.76	11.42%	22.90%	51.47%
Utility (Water)	98	55.95%	2.67%	\$120,137.66	13.69%	24.79%	42.62%
Utility (General)	56	357.99%	4.75%	\$526,936.97	2.02%	41.30%	32.08%
Unclassified	33	0.05%	0.67%	\$1,170.68	-7.15%	15.87%	58.05%
Trucking	190	26.03%	1.10%	\$146,097.18	10.51%	29.19%	42.00%
Transportation (Railroads)	53	28.44%	1.49%	\$548,922.91	13.83%	29.22%	32.27%
Transportation	225	52.25%	2.56%	\$452,280.64	13.89%	22.05%	42.81%
Tobacco	61	70.95%	3.83%	\$608,195.80	59.64%	26.82%	39.03%
Telecom. Services	308	61.31%	4.05%	\$1,507,860.33	14.91%	23.58%	50.50%
Telecom. Equipment	484	40.95%	1.87%	\$587,840.23	13.72%	23.96%	57.38%
Telecom (Wireless)	117	28.10%	3.52%	\$1,042,636.10	23.02%	23.58%	47.57%
Steel	757	519.88%	3.39%	\$480,595.16	0.65%	15.36%	54.23%
Software (System & Application)	991	37.91%	1.36%	\$1,307,651.39	17.73%	24.86%	62.34%
Software (Internet)	759	7.22%	0.18%	\$1,196,963.43	14.78%	25.91%	68.76%
Software (Entertainment)	119	18.47%	0.78%	\$89,237.86	8.30%	16.39%	68.74%
Shoe	95	43.87%	1.78%	\$140,568.97	15.78%	22.04%	49.82%
Shipbuilding & Marine	354	54.65%	2.52%	\$329,343.86	6.54%	17.56%	49.49%
Semiconductor Equip	259	50.43%	0.94%	\$217,355.70	5.44%	25.55%	57.71%
Semiconductor	564	36.86%	1.70%	\$933,475.60	14.96%	26.70%	53.27%
Rubber& Tires	89	29.66%	2.30%	\$116,447.37	14.55%	18.20%	43.79%
Retail (Special Lines)	540	36.01%	1.40%	\$995,910.00	14.05%	30.32%	47.17%
Retail (Online)	115	21.12%	0.22%	\$328,027.45	11.52%	34.70%	72.03%
Retail (Grocery and Food)	180	59.23%	2.63%	\$444,791.38	10.18%	24.23%	36.41%
Retail (General)	231	40.62%	1.92%	\$932,182.74	12.52%	25.89%	40.14%
Retail (Distributors)	889	36.45%	2.36%	\$517,839.78	9.61%	21.26%	49.35%
Retail (Building Supply)	50	37.86%	1.69%	\$242,704.73	19.41%	29.84%	35.64%
Retail (Automotive)	149	23.19%	1.13%	\$155,748.71	19.36%	28.95%	43.92%
Restaurant/Dining	306	50.15%	1.84%	\$451,701.73	19.55%	29.35%	41.15%
Reinsurance	40	27.39%	3.66%	\$131,197.20	13.66%	49.31%	28.34%
Recreation	293	42.07%	1.79%	\$185,975.51	11.81%	23.26%	49.10%
Real Estate (Operations & Services)	577	40.10%	2.40%	\$357,163.56	8.00%	23.46%	43.86%
Real Estate (General/Diversified)	449	26.94%	2.03%	\$543,453.41	8.94%	16.11%	49.50%
Real Estate (Development)	703	37.86%	4.07%	\$570,288.80	14.27%	15.18%	48.53%
R.E.I.T.	482	69.95%	3.49%	\$1,218,416.28	10.48%	51.12%	29.85%
Publshing & Newspapers	373	37.79%	2.52%	\$273,095.03	13.40%	26.94%	52.04%
Precious Metals	1079	0.76%	1.47%	\$254,896.66	-6.32%	16.43%	95.83%
Power	574	68.52%	3.83%	\$1,825,639.40	8.15%	22.63%	38.21%
Paper/Forest Products	303	73.54%	2.55%	\$174,934.62	4.52%	20.15%	47.03%
Packaging & Container	398	44.73%	2.13%	\$190,903.07	11.20%	20.50%	44.72%
Oilfield Svcs/Equip.	586	40.25%	2.38%	\$822,786.23	9.97%	27.77%	56.14%
Oil/Gas Distribution	215	138.99%	3.50%	\$808,999.39	9.15%	29.97%	45.55%
Oil/Gas (Production and Exploration)	1140	52.89%	3.26%	\$1,058,249.15	8.23%	25.12%	73.94%
Oil/Gas (Integrated)	55	44.94%	4.64%	\$2,144,442.09	11.41%	31.67%	40.33%
Office Equipment & Services	155	37.55%	1.66%	\$48,572.17	10.97%	20.65%	48.07%
Metals & Mining	1589	69.85%	3.66%	\$994,000.27	8.00%	11.99%	79.34%
Machinery	1272	36.57%	1.74%	\$929,370.08	11.77%	Holdings 22.60%	48.15%
Industry	firms	Dividend Payout	Dividend Yield	Market Cap	ROE		Stock Prices

Indian Companies: Dividend Statistics

Company	Dividends	Net Income	Market Cap	Dividend Yield	Dividend Payout	Industry	Industry Dividend Yield	Industry Dividend Payout
Ranbaxy	0₹	-8,116₹	365,557₹	0.00%	NA	Drugs (Pharmaceutical)	2.29%	61.73%
Tube Investments	1,119₹	3,113₹	63,988₹	1.75%	35.95%	Steel	3.39%	519.88%
SKF	925₹	2,028₹	76,789₹	1.20%	45.61%	Machinery	1.74%	36.57%
Titan Co	0₹	8,163₹	322,932₹	0.00%	0.00%	Electronics (General)	1.40%	31.53%
Bharti Airtel	21,399₹	51,835₹	1,661,319₹	1.29%	41.28%	Telecom. Services	4.05%	61.31%
India Cements	720₹	-2,434₹	25,250₹	2.85%	NA	Construction Supplies	2.43%	54.25%
Brittania	1,189₹	3,954₹	318,673₹	0.37%	30.07%	Food Processing	2.18%	51.45%
Reliance Industries	32,680₹	235,660₹	2,834,174₹	1.15%	13.87%	Chemical (Diversified)	2.69%	46.56%
Dr. Reddy's Lab	196₹	1,274₹	600,842₹	0.03%	15.40%	Drugs (Pharmaceutical)	2.29%	61.73%
Bajaj Auto	15,182₹	33,803₹	666,398₹	2.28%	44.91%	Auto & Truck	2.63%	29.62%
Wipro	29,490₹	86,528₹	1,369,265₹	2.15%	34.08%	Computer Services	1.66%	31.39%
Shoppers Stop	73₹	424₹	33,830₹	0.22%	17.22%	Retail (Special Lines)	1.40%	36.01%

Corporate Finance Essentials (

			Original 2011 A	ELITERATE PARTY SECURITION AND AND AND AND AND AND AND AND AND AN	Restalled 2009 A
For the period ending	2012-12-31	2012-3-31	2011-12-31	2010-12-31	2009-12-31
Revenue	216,328.25	230,522.00	230,859.00	175,752.00	136,016,00
EBITDA	25,366.80	25,443.00	26,270,00	22,655.00	17,606.00
Operating Income	17,315.89	17,741.00	18,336.00	13,595.00	8,311.00
Total interest expense		1,441.00	1,460.00	1,658.00	1,776.00
Net Income	8,586.67	12,345.00	12,436.00	11.358.00	4,414.00
Cash & Equivalents		4,215.00	6,361.00	10,427.00	542.00
Total debt		28,360.00	22.623.00	23,592.00	28,653.00
Total Debt Weighted					
Average Maturity					
Total Equity		67,043.00	65,734.00	69,109.00	62,613,00
Chg in non-cash wc		1,748.00	-351.00	1,867,00	-538.00
Capital Expenditures	-13,840.40	-14,642.00	-13,266,00	-9,761.00	-10,861.00
Increase: LT Debt		5,794.00	0.00	118.00	9,087.00
Decrease: LT Debt					
Inc(Dec) ST Debt		0.00	0.00	0.00	0.00
Market cap.		66,452.45	96,752.33	100,054.19	75,772.27
Minority Interest		509.00	510.00	547.00	590.00
Eff tax rate		46.03	45.65	42.19	53.12
Net Cash Paid for				0.00	0.00
Acquisitions					
Working Capital		636,00	2,150.00	7,241.00	-2,528.00
Op Lease - Current			869.00	891.00	990.00
Op Lease - Yr 1			767.00	752.00	872.00
Op Lease - Yr 2			519.00	573.00	637.00
Op Lease - Yr 3			382.00	460.00	529.00
Op Lease - Yr 4			300.00	309.00	346.00
Op Lease - Yr 5			202.00	245,00	272.00
Op Lease - Beyond yr 5			591.00	557.00	721.00
Dividends Paid		-3,531.00	-3,632.00	-3,175.00	-2,832.00
Dec capital stock		-11,399,00	-11,123.00	-3,866.00	0.00
Current Shares		1,264.56	1,327.74	1,469.22	1,483.69
Outstanding			× .		
Price per share		52.04	51.91	38.93	39.49
Options Outstanding			24.37	32.51	36.43
End Of Period					
Avg Exercise Price			45.73	39.54	37.13
(Options Outstanding)					
Op Lease - Years 2 - 5			1,403.00	1,587.00	1,784.00
R & D expenditures			267.00	230.00	190.00

- 5		
	Net Income + Deprecn & Amortzn + Chg in non-cash WC + Cap Ex + Inc (Dec) in ST Debt + Increase in LT Debt - Decrease in LT Debt = FCFE	12,345 + 7,742 + 1,748 - 14,642 + 0 + 5,794 - 0 = 9,491 M
	Dividends Paid Decrease capital stock Dividends + Buybacks	- 3,531 -11,623 -15,154

Operating Income 17,741
- Taxes = 17741*.4603 = - 8,166
+ Deprecn & Amortzn + 7,742
+ Chg in non-cash WC + 1,748
+ Cap Ex - 14,642
= FCFF = 4,423 M

EBITDA – Operating Income = Depreciation & Amortization 25,443 – 17,741 = 7,742 M

Post-class Analysis

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- Now that you have the numbers for your company, you should be in a position to make an assessment of where your company stands right now, what it does well, what it does badly and what you would change about it.
- Here are some key questions to address:
 - I. Stockholder Analysis: Who has the power and what are the potential conflicts of interest?
 - II. Risk and Return: How risky is your firm and what are its hurdle rates?
 - III. Investments: How good are existing investments and what is the potential for the future?
 - IV. Capital Structure Choices: What are the current financing choices?
 - V. Optimal Financing: What is the optimal mix of debt and equity for the firm?
 - VI. Financing Changes: Should firm move to optimal and what type of debt should it use?
 - VII. Dividend Policy: How much and how does the firm return cash to stockholders?
 - VIII. Dividend Assessment: Should the firm return more or less cash to stockholders?
 - IX: Valuation (optional): What value would you attach to the firm and its equity?