

# VALUATION: SIX LESSONS TO TAKE AWAY!

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Aswath Damodaran

# I. Don't mistake accounting for finance

*Valued based upon motive for investment – some marked to market, some recorded at cost and some at quasi-cost*

*Assets are recorded at original cost, adjusted for depreciation.*

## The Balance Sheet

| Assets   |                       | Liabilities         |                                    |
|--|-----------------------|---------------------|------------------------------------|
| Long Lived Real Assets                                   | Fixed Assets          | Current Liabilities | Short-term liabilities of the firm |
| Short-lived Assets                                       | Current Assets        | Debt                | Debt obligations of firm           |
| Investments in securities & assets of other firms        | Financial Investments | Other Liabilities   | Other long-term obligations        |
| Assets which are not physical, like patents & trademarks | Intangible Assets     | Equity              | Equity investment in firm          |

*True intangible assets like brand name, patents and customer did not show up. The only intangible asset of any magnitude (goodwill) is a plug variable that is of consequence only if you do an acquisition.*

*Equity reflects original capital invested and historical retained earnings.*

# The financial balance sheet

*Recorded at intrinsic value (based upon cash flows and risk), not at original cost*



*Value will depend upon magnitude of growth investments and excess returns on these investments*

*Intrinsic value of equity, reflecting intrinsic value of assets, net of true value of debt outstanding.*

## II. Don't assume that D+CF = DCF

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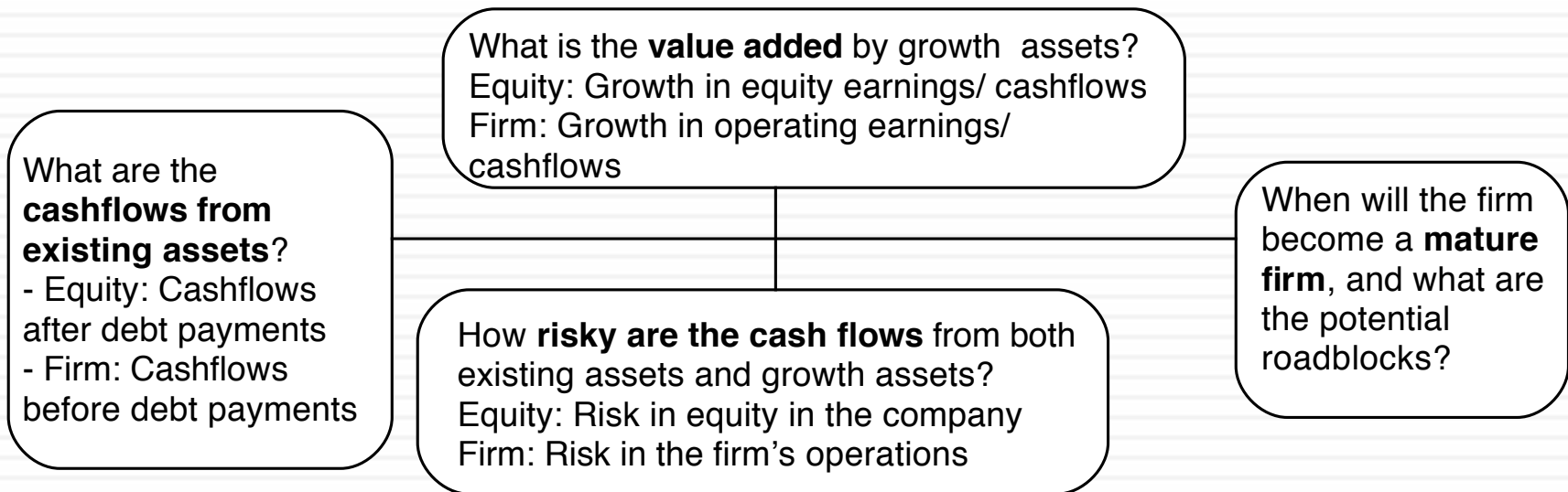
- The value of a risky asset can be estimated by discounting the expected cash flows on the asset over its life at a risk-adjusted discount rate:

$$\text{Value of asset} = \frac{E(\text{CF}_1)}{(1+r)} + \frac{E(\text{CF}_2)}{(1+r)^2} + \frac{E(\text{CF}_3)}{(1+r)^3} \dots + \frac{E(\text{CF}_n)}{(1+r)^n}$$

1. *The IT Proposition:* If “it” does not affect the cash flows or alter risk (thus changing discount rates), “it” cannot affect value.
2. *The DUH Proposition:* For an asset to have value, the expected cash flows have to be positive some time over the life of the asset.
3. *The DON'T FREAK OUT Proposition:* Assets that generate cash flows early in their life will be worth more than assets that generate cash flows later; the latter may however have greater growth and higher cash flows to compensate.

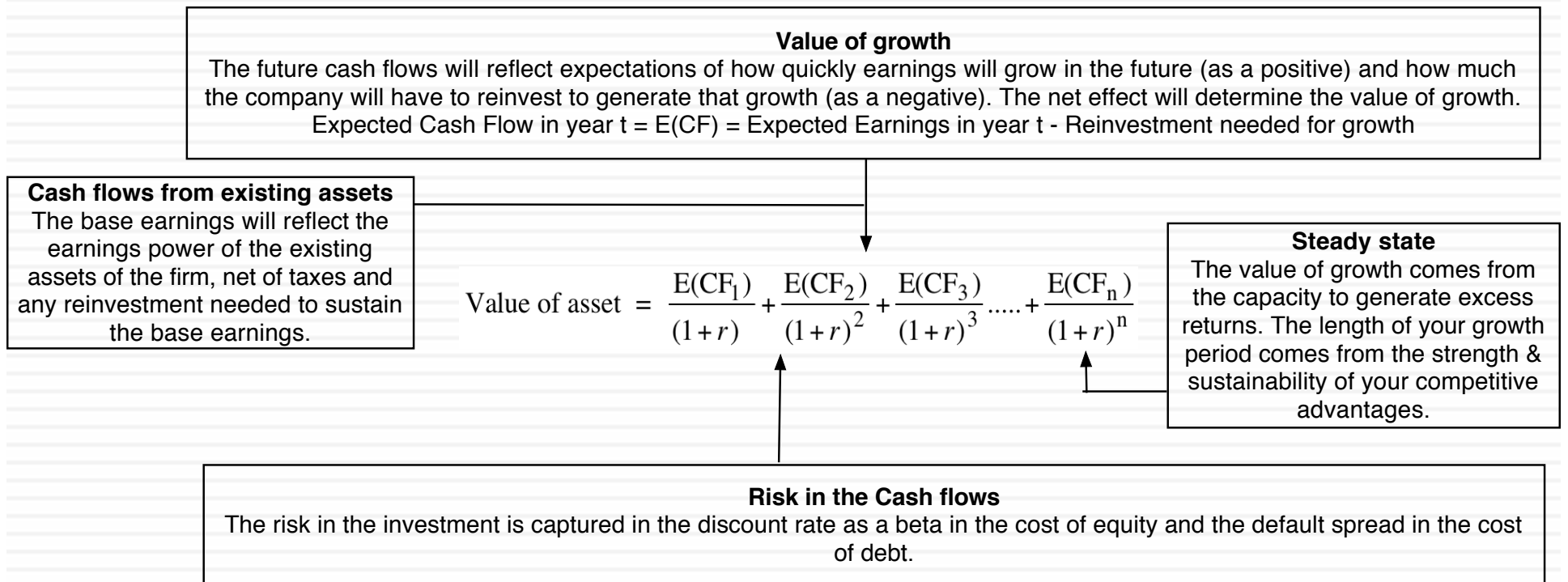
# The drivers of value..

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# DCF as a tool for intrinsic valuation

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The **Chimera DCF** mixes dollar cash flows with peso discount rates, nominal cash flows with real costs of capital and cash flows before debt payments with costs of equity, violating basic consistency rules



In a **Trojan Horse DCF**, Just as the Greeks used a wooden horse to smuggle soldiers into Troy, analysts use the Trojan Horse of cash flows to smuggle in a pricing (in the form of a terminal value, estimated by using a multiple).



A **Kabuki DCF** is a work of art, where analyst and rule maker (or court) go through the motions of valuation, with the intent of developing models that are legally or accounting-rule defensible rather than yielding reasonable values.

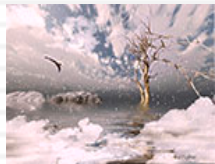
**$D+CF \neq DCF$**



In a **Robo DCF**, the analyst builds a valuation almost entirely from the most recent financial statements and automated forecasts.



A **Mutant DCF** is a collection of numbers where items have familiar names (free cash flow, cost of capital) but the analyst putting it together has neither a narrative nor a sense of the basic principles of

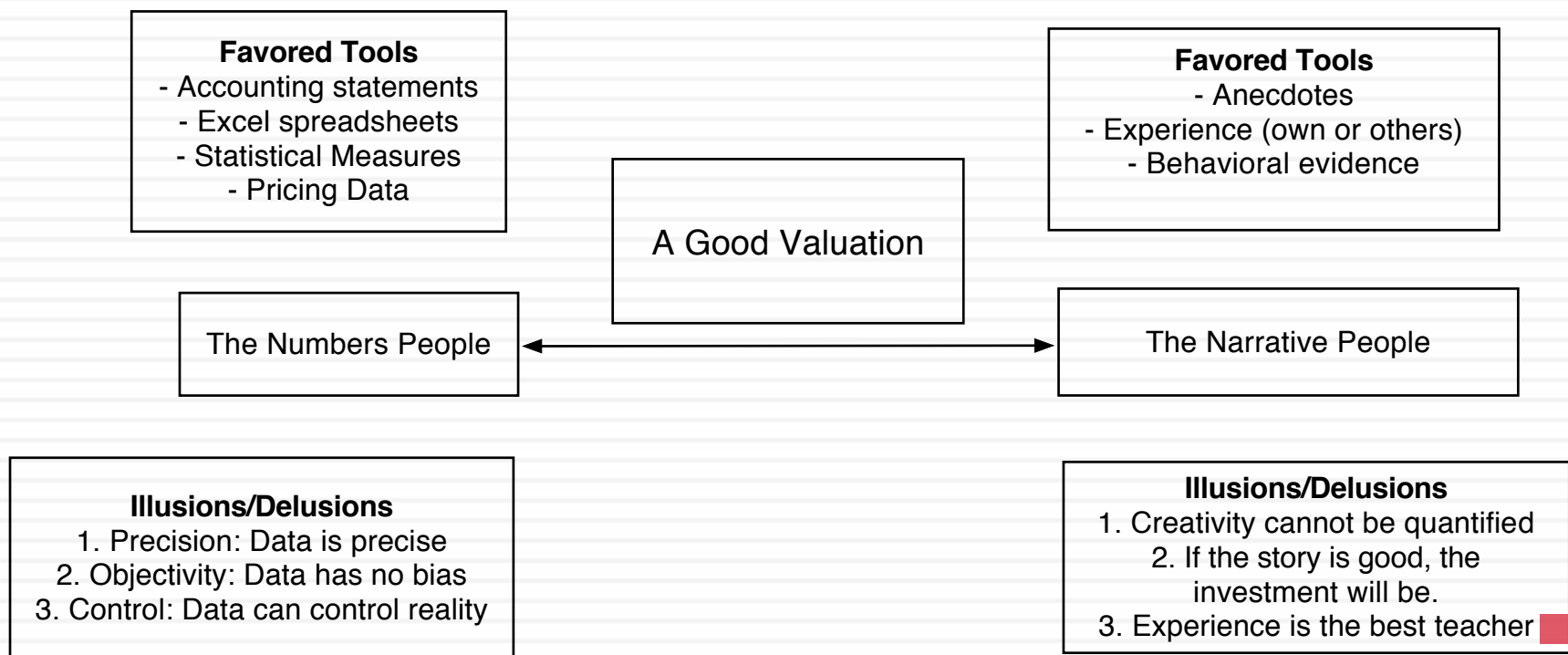


In a **Dreamstate DCF**, you build amazing companies on spreadsheets, making outlandish assumptions about growth and operating margins over time.



In a **Dissonant DCF**, assumptions about growth, risk and cash flows are not consistent with each other, with little or no explanation given for the mismatch.

# III. Don't mistake modeling for valuation





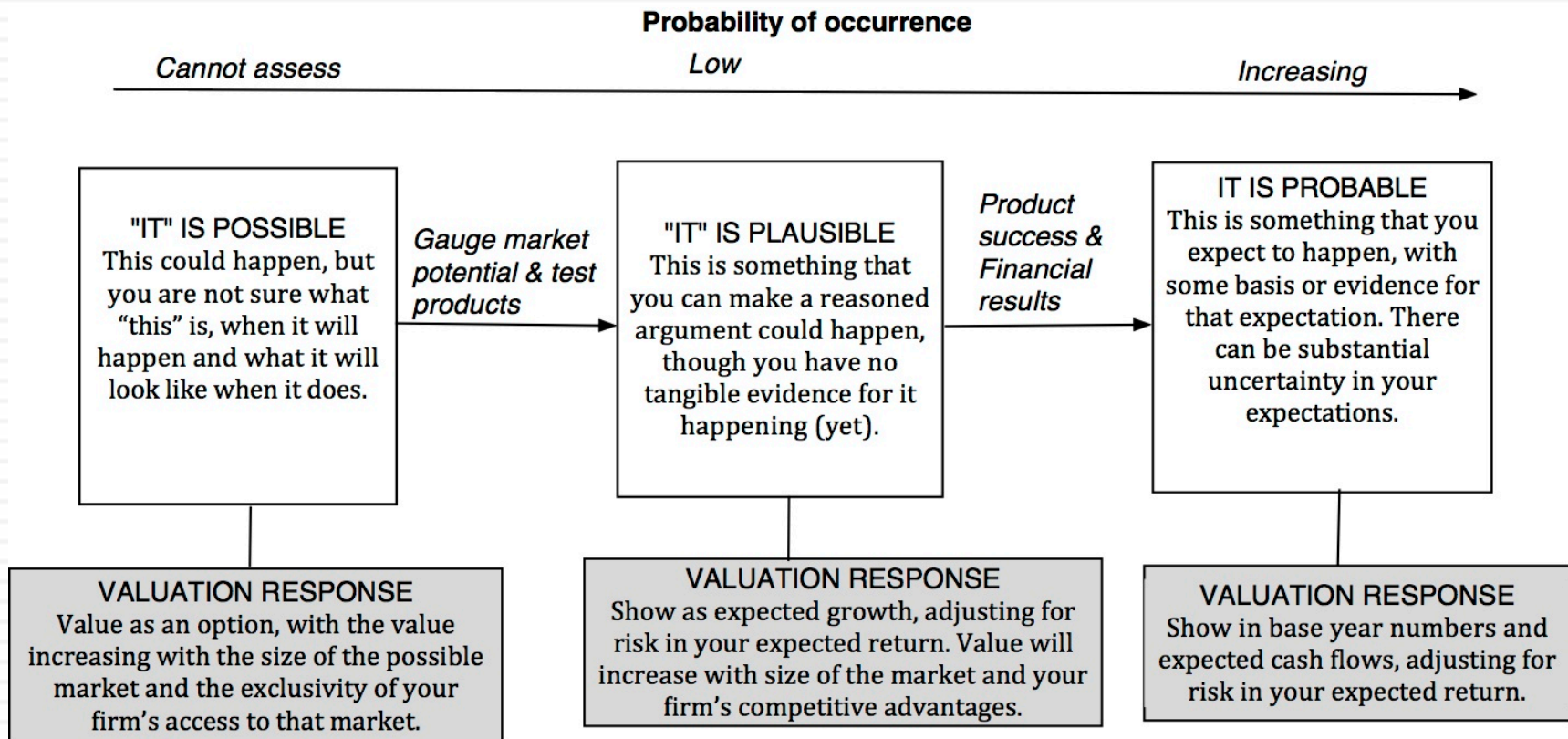
# Step 1: Create a narrative

- Every valuation starts with a narrative, a story that you see unfolding for your company in the future.
- In developing this narrative, you will be making assessments of your company (its products, its management), the market or markets that you see it growing in, the competition it faces and will face and the macro environment in which it operates.

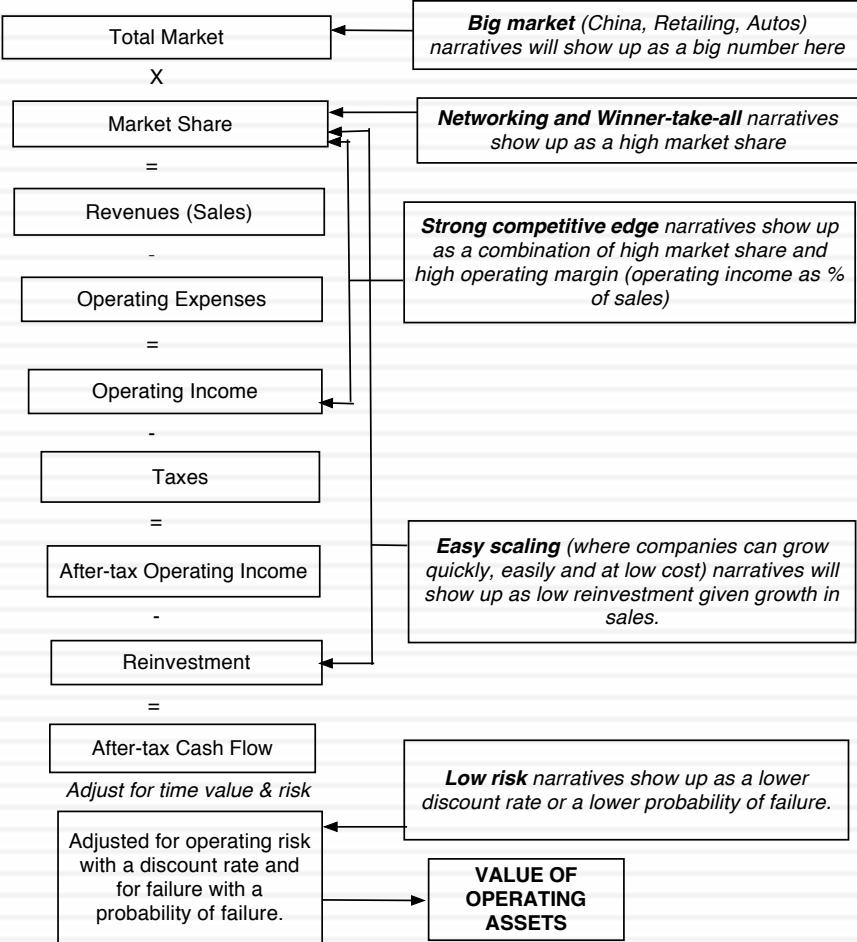
*My narrative for Uber: Uber will expand the car service market moderately, primarily in urban environments, and use its competitive advantages to get a significant but not dominant market share and maintain its profit margins.*

# Step 2: Check the narrative against history, economic first principles & common sense

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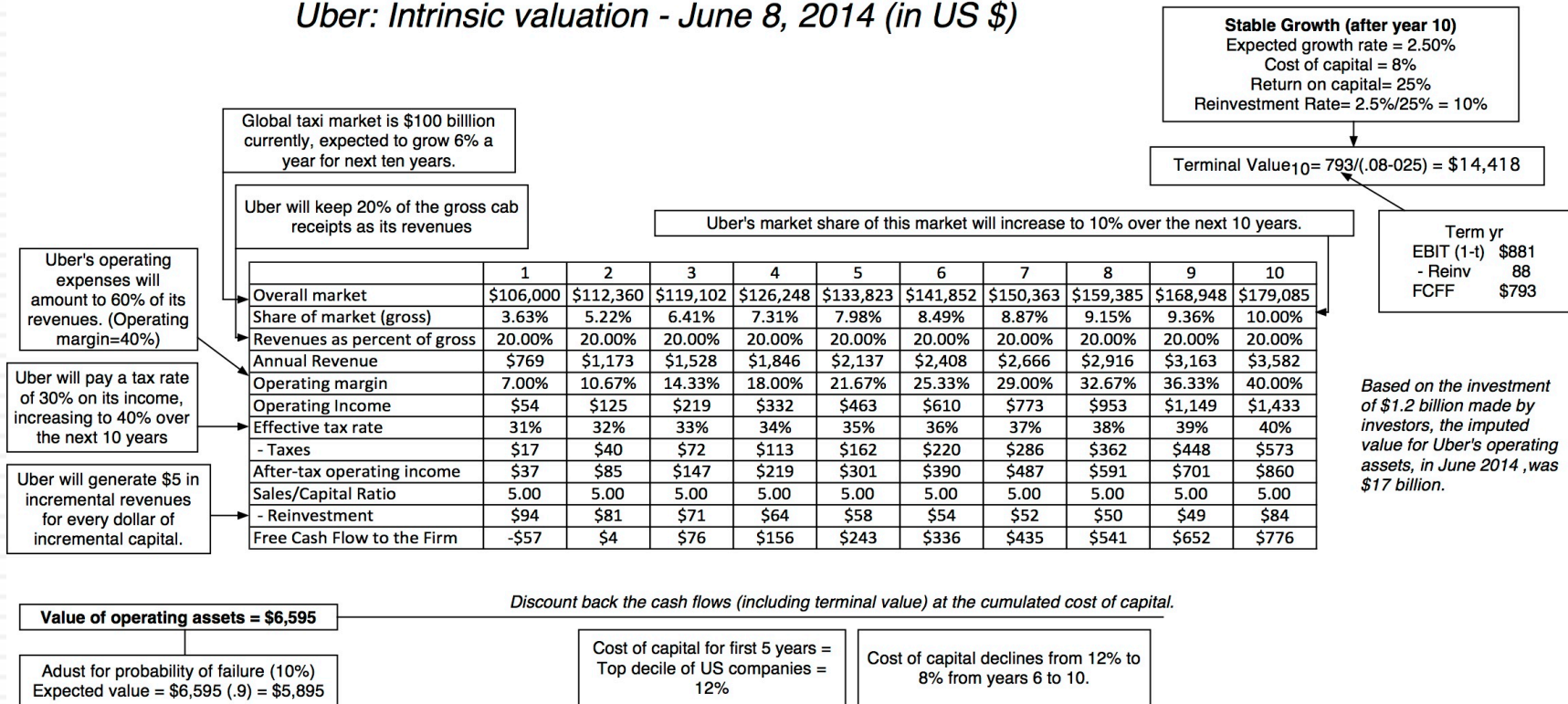


# Step 3: Connect your narrative to key drivers of value



# Step 4: Value the company

## Uber: Intrinsic valuation - June 8, 2014 (in US \$)



# Step 5: Keep the feedback loop

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|                      | <i>Uber (Gurley)</i>   | <i>Uber (Gurley Mod)</i>  | <i>Uber (Damodaran)</i>   |
|----------------------|--|---|---|
| Narrative            | Uber will <u>expand the car service market substantially</u> , bringing in mass transit users & non-users from the suburbs into the market, and use its <u>networking advantage</u> to gain a <u>dominant market share</u> , while maintaining its revenue slice at 20%. | Uber will <u>expand the car service market substantially</u> , bringing in mass transit users & non-users from the suburbs into the market, and use its <u>networking advantage</u> to gain a <u>dominant market share</u> , while cutting prices and margins (to 10%). | Uber will expand the car service market moderately, primarily in urban environments, and use its <u>competitive advantages</u> to get a <u>significant but not dominant market share</u> and maintain its revenue slice at 20%. |
| Total Market         | \$300 billion, growing at 3% a year  | \$300 billion, growing at 3% a year   | \$100 billion, growing at 6% a year   |
| Market Share         | 40%  | 40%   | 10%   |
| Uber's revenue slice | 20%  | 10%   | 20%   |
| Value for Uber       | \$53.4 billion + Option value of entering car ownership market (\$10 billion+)   | \$28.7 billion + Option value of entering car ownership market (\$6 billion+)   | \$5.9 billion + Option value of entering car ownership market (\$2-3 billion)   |

# Step 6: Be ready to modify narrative as events unfold

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| Narrative Break/End   | Narrative Shift  | Narrative Change (Expansion or Contraction)  |
|---|--|--|
| Events, external (legal, political or economic) or internal (management, competitive, default), that can cause the narrative to break or end. | Improvement or deterioration in initial business model, changing market size, market share and/or profitability. | Unexpected entry/success in a new market or unexpected exit/failure in an existing market.   |
| Your valuation estimates (cash flows, risk, growth & value) are no longer operative   | Your valuation estimates will have to be modified to reflect the new data about the company.                     | Valuation estimates have to be redone with new overall market potential and characteristics. |
| Estimate a probability that it will occur & consequences  | Monte Carlo simulations or scenario analysis   | Real Options   |

## IV. Don't mistake precision for quality..

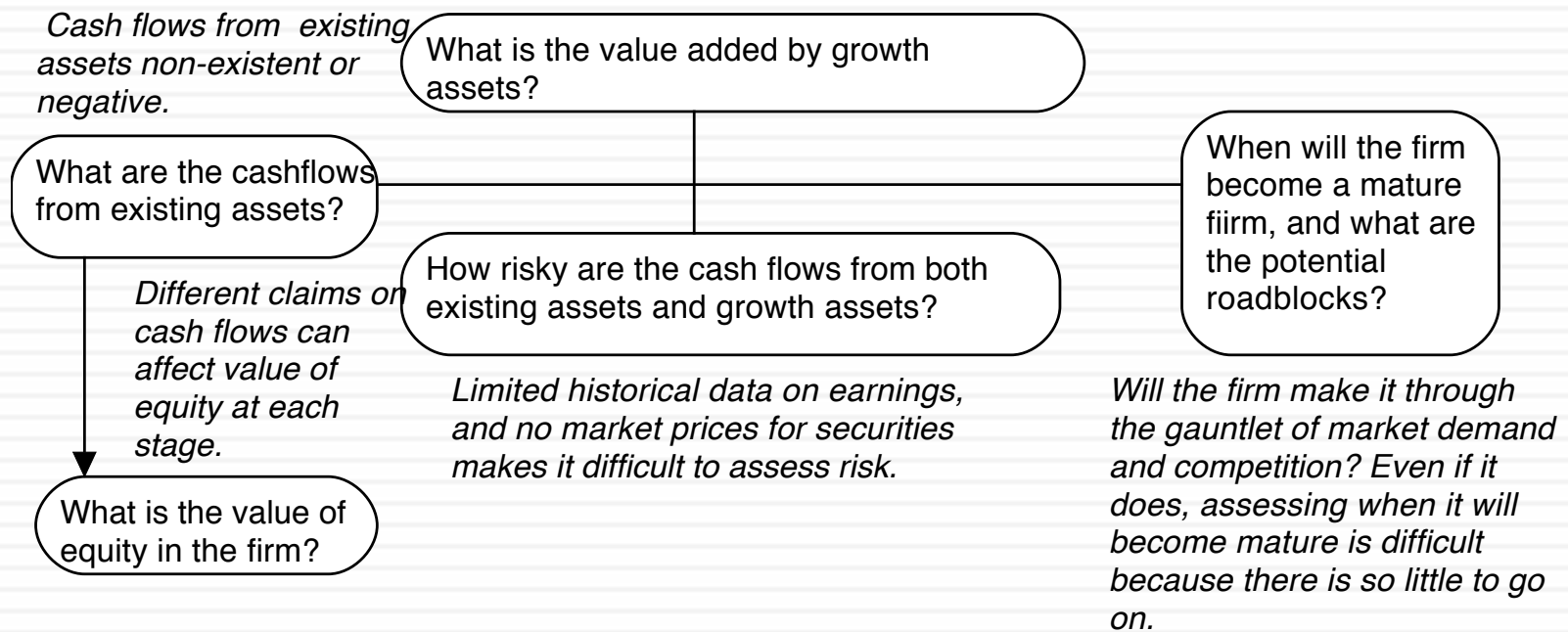
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- It is natural, especially if you work with numbers, to assume that precision and quality go hand in hand, i.e., that more precise valuations are both better and more useful than less precise ones.
- It is this principle that leads old time value investors to argue that you are better served valuing mature companies, with established business models, than young start-ups and that valuation makes more sense in stable economic environments than during periods of macro economic crisis.
- The ironic truth is that valuation is most useful when it is least precise and why you face the most uncertainty.

# Valuing a start up is hard to do..

Figure 3: Estimation Issues - Young and Start-up Companies

*Making judgments on revenues/ profits difficult because you cannot draw on history. If you have no product/service, it is difficult to gauge market potential or profitability. The company's entire value lies in future growth but you have little to base your estimate on.*





# And the dark side will beckon..

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- With young start up companies, you will be told that it is “too difficult” or even “impossible” to value these companies, because there is so little history and so much uncertainty in the future.
- Instead, you will be asked to come over to the “dark side”, where
  - ▣ You will see value metrics that you have never seen before
  - ▣ You will hear “macro” stories, justifying value
  - ▣ You will be asked to play the momentum game
- While all of this behavior is understandable, none of it makes the uncertainty go away. You have a choice. You can either hide from uncertainty or face up to it.

# Twitter: Setting the table in October 2013

|                           | Last 10K  | Trailing 12 month |
|---------------------------|-----------|-------------------|
| Revenues                  | \$316.93  | \$534.46          |
| Operating Income          | (\$77.06) | (\$134.91)        |
| Adjusted Operating Income |           | \$7.66            |
| Invested Capital          |           | \$955.00          |
| Adjusted Operating Margin |           | 1.44%             |
| Sales/ Invested Capital   |           | \$0.56            |

# Twitter: Priming the Pump for Valuation

## 1. Make small revenues into big revenues

|                  | 2011   |         | 2012    |          | 2013    |          |
|------------------|--------|---------|---------|----------|---------|----------|
|                  | %      | \$      | %       | \$       | %       | \$       |
| Google           | 32.09% | \$27.74 | 31.46%  | \$32.73  | 33.24%  | \$38.83  |
| Facebook         | 3.65%  | \$3.15  | 4.11%   | \$4.28   | 5.04%   | \$5.89   |
| Yahoo!           | 3.95%  | \$3.41  | 3.37%   | \$3.51   | 3.10%   | \$3.62   |
| Microsoft        | 1.27%  | \$1.10  | 1.63%   | \$1.70   | 1.78%   | \$2.08   |
| IAC              | 1.15%  | \$0.99  | 1.39%   | \$1.45   | 1.47%   | \$1.72   |
| AOL              | 1.17%  | \$1.01  | 1.02%   | \$1.06   | 0.95%   | \$1.11   |
| Amazon           | 0.48%  | \$0.41  | 0.59%   | \$0.61   | 0.71%   | \$0.83   |
| Pandora          | 0.28%  | \$0.24  | 0.36%   | \$0.37   | 0.50%   | \$0.58   |
| Twitter          | 0.16%  | \$0.14  | 0.28%   | \$0.29   | 0.50%   | \$0.58   |
| Linkedin         | 0.18%  | \$0.16  | 0.25%   | \$0.26   | 0.32%   | \$0.37   |
| Millennial Media | 0.05%  | \$0.04  | 0.07%   | \$0.07   | 0.10%   | \$0.12   |
| Other            | 55.59% | \$48.05 | 55.47%  | \$57.71  | 52.29%  | \$61.09  |
| Total Market     | 100%   | \$86.43 | 100.00% | \$104.04 | 100.00% | \$116.82 |

## 2. Make losses into profits

| Company                          | Operating Margin |
|----------------------------------|------------------|
| Google Inc. (NasdaqGS:GOOG)      | 22.82%           |
| Facebook, Inc. (NasdaqGS:FB)     | 29.99%           |
| Yahoo! Inc. (NasdaqGS:YHOO)      | 13.79%           |
| Netfix                           | 3.16%            |
| Groupon                          | 2.53%            |
| LinkedIn Corporation (NYSE:LNKD) | 5.18%            |
| Pandora Media, Inc. (NYSE:P)     | -9.13%           |
| Yelp, Inc. (NYSE:YELP)           | -6.19%           |
| OpenTable, Inc. (NasdaqGS:OPEN)  | 24.90%           |
| RetailMeNot                      | 45.40%           |
| Travelzoo Inc. (NasdaqGS:TZOO)   | 15.66%           |
| Zillow, Inc. (NasdaqGS:Z)        | -66.60%          |
| Trulia, Inc. (NYSE:TRLA)         | -6.79%           |
| Aggregate                        | 20.40%           |

|                                    |     | Annual growth rate in Global Advertising Spending |          |          |          |          |
|------------------------------------|-----|---|----------|----------|----------|----------|
|                                    |     | 2.00%   | 2.50%    | 3.00%    | 3.50%    | 4.00%    |
| Online advertising share of market | 20% | \$124.78  | \$131.03 | \$137.56 | \$144.39 | \$151.52 |
|                                    | 25% | \$155.97  | \$163.79 | \$171.95 | \$180.49 | \$189.40 |
|                                    | 30% | \$187.16  | \$196.54 | \$206.34 | \$216.58 | \$227.28 |
|                                    | 35% | \$218.36  | \$229.30 | \$240.74 | \$252.68 | \$265.16 |
|                                    | 40% | \$249.55  | \$262.06 | \$275.13 | \$288.78 | \$303.04 |

My estimate for Twitter: Operating margin of 25% in year 10

## 3. Reinvest for growth

|                        | Sales/ Invested Capital |
|------------------------|-------------------------|
| Twitter (2013)         | 1.10                    |
| Advertising Companies  | 1.40                    |
| Social Media Companies | 1.05                    |

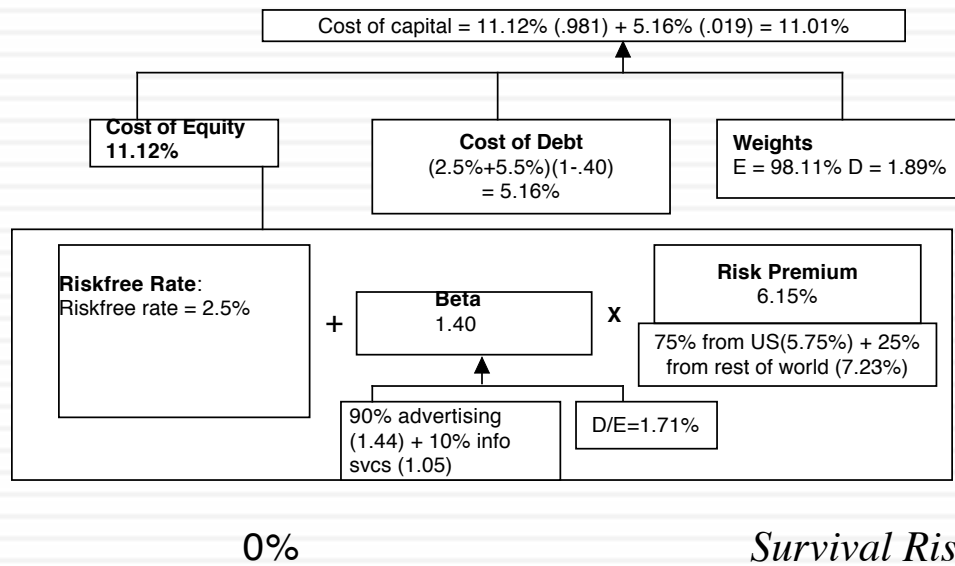
My estimate for 2023: Overall online advertising market will be close to \$200 billion and Twitter will have about 5.7% (\$11.5 billion)

My estimate for Twitter: Sales/Capital will be 1.50 for next 10 years

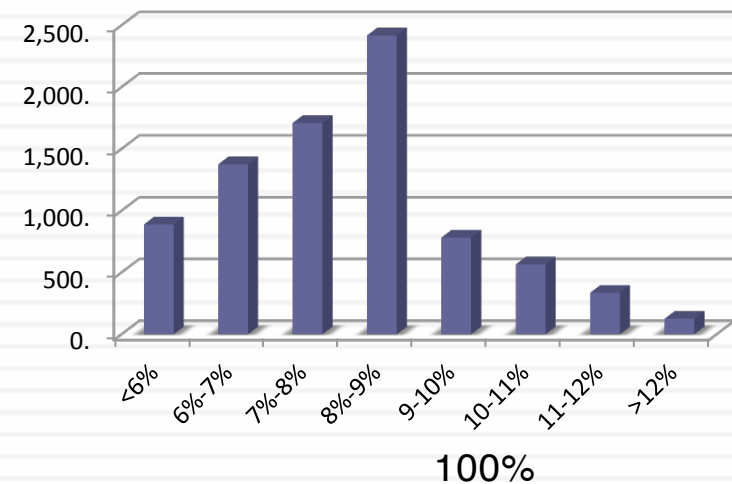
# The Cost of Capital for Twitter

## Risk in the discount rate

### My estimate for Twitter



### Cost of Capital: US - Nov '13



Probability that the firm will not make it as a going concern

Certain to make it as going concern

Certain to fail

My assumption for Twitter

Starting numbers

|                           | Last 10K | Trailing 12 month |
|---------------------------|----------|-------------------|
| Revenues                  | \$316.93 | \$534.46          |
| Operating income          | -\$77.06 | -\$134.91         |
| Adjusted Operating Income |          | \$7.67            |
| Invested Capital          |          | \$955.00          |
| Adjusted Operatng Margin  |          | 1.44%             |
| Sales/ Invested Capital   |          | 0.56              |
| Interest expenses         | \$2.49   | \$5.30            |

Twitter Pre-IPO Valuation: October 27, 2013

Revenue growth of 51.5% a year for 5 years, tapering down to 2.5% in year 10

Pre-tax operating margin increases to 25% over the next 10 years

Sales to capital ratio of 1.50 for incremental sales

**Stable Growth**  
 g = 2.5%; Beta = 1.00;  
 Cost of capital = 8%  
 ROC = 12%;  
 Reinvestment Rate = 2.5%/12% = 20.83%

Terminal Value<sub>10</sub> = 1466 / (.08 - .025) = \$26,657

|                            | 1       | 2        | 3        | 4        | 5        | 6        | 7        | 8       | 9        | 10       |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|---------|----------|----------|
| Revenues                   | \$ 810  | \$1,227  | \$1,858  | \$2,816  | \$4,266  | \$6,044  | \$7,973  | \$9,734 | \$10,932 | \$11,205 |
| Operating Income           | \$ 31   | \$ 75    | \$ 158   | \$ 306   | \$ 564   | \$ 941   | \$1,430  | \$1,975 | \$ 2,475 | \$ 2,801 |
| Operating Income after tax | \$ 31   | \$ 75    | \$ 158   | \$ 294   | \$ 395   | \$ 649   | \$ 969   | \$1,317 | \$ 1,624 | \$ 1,807 |
| - Reinvestment             | \$ 183  | \$ 278   | \$ 421   | \$ 638   | \$ 967   | \$1,186  | \$1,285  | \$1,175 | \$ 798   | \$ 182   |
| FCFF                       | \$(153) | \$ (203) | \$ (263) | \$ (344) | \$ (572) | \$ (537) | \$ (316) | \$ 143  | \$ 826   | \$ 1,625 |

*Terminal year (11)*

|                |          |
|----------------|----------|
| EBIT (1-t)     | \$ 1,852 |
| - Reinvestment | \$ 386   |
| FCFF           | \$ 1,466 |

|                  |         |
|------------------|---------|
| Operating assets | \$9,705 |
| + Cash           | 321     |
| + IPO Proceeds   | 1295    |
| - Debt           | 214     |
| Value of equity  | 11,106  |
| - Options        | 713     |
| Value in stock   | 10,394  |
| / # of shares    | 582.46  |
| Value/share      | \$17.84 |

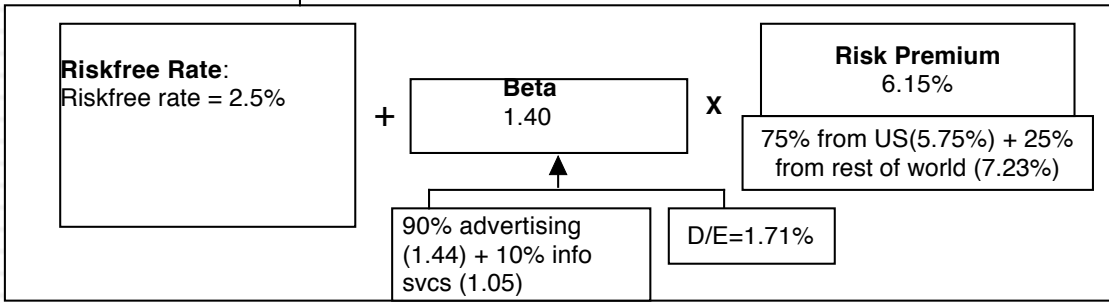
Cost of capital = 11.12% (.981) + 5.16% (.019) = 11.01%

Cost of capital decreases to 8% from years 6-10

Cost of Equity  
11.12%

Cost of Debt  
(2.5% + 5.5%)(1 - .40)  
= 5.16%

Weights  
E = 98.1% D = 1.9%



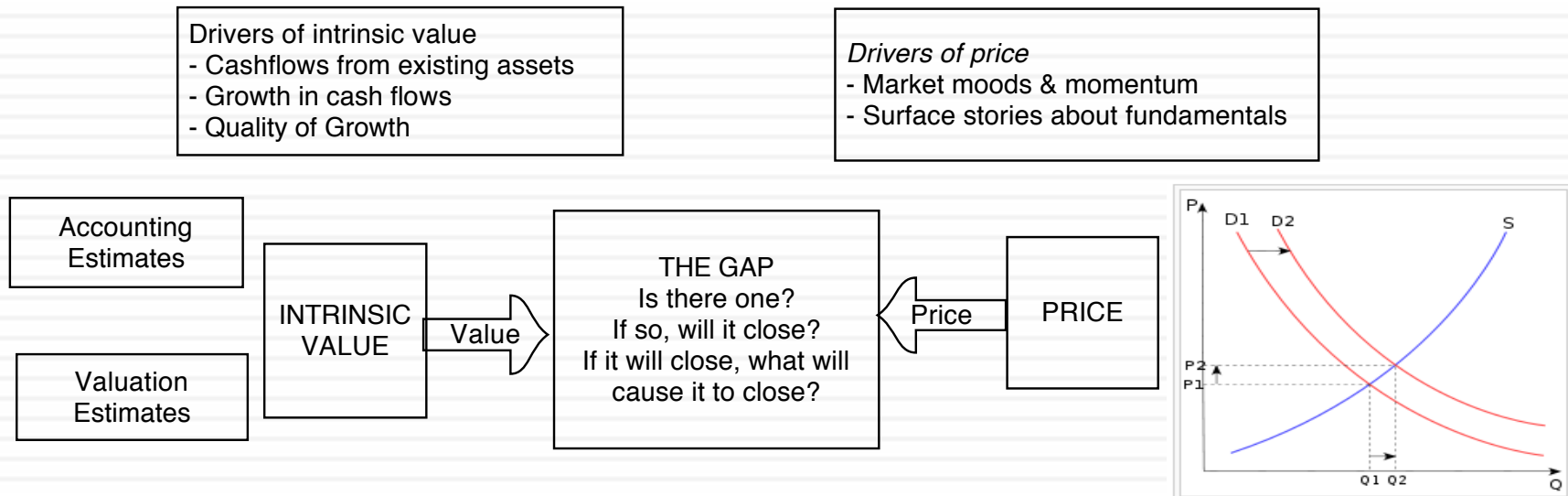
# A sobering reminder: You will be “wrong” and it is okay

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- No matter how careful you are in getting your inputs and how well structured your model is, your estimate of value will change both as new information comes out about the company, the business and the economy.
- As information comes out, you will have to adjust and adapt your model to reflect the information. Rather than be defensive about the resulting changes in value, recognize that this is the essence of risk.
- Remember that it is not just your value that is changing, but so is the price, and the price will change a great deal more than the value.

# V. Don't mistake price for value!

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# Test 1: Are you pricing or valuing?

 **5369 La Jolla Mesa Dr**  
La Jolla, CA 92037  
Status: Active

**\$995,000**  
Price

**3**  
Beds


**2.5**  
Baths

**1,440** Sq. Ft.  
\$691 / Sq. Ft.

Built: 1955 Lot Size: 3,000 Sq. Ft. On Redfin: 12 days

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[Overview](#) [Property Details](#) [Tour Insights](#) [Property History](#) [Public Records](#) [Activity](#) [Schools](#) [Neighborhood & Offer Insights](#) [Similar Homes](#)



**Lisa Padilla**  
REDFIN Real Estate Agent

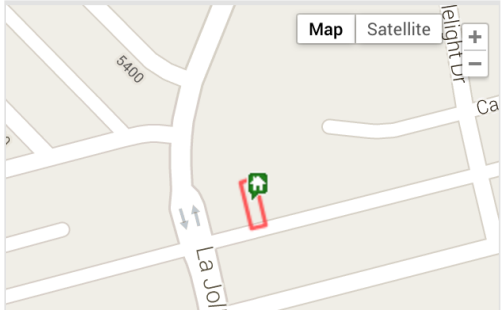
★★★★★  
47 client reviews

\$8,726 commission refund

[Go Tour This Home](#)

[Ask Lisa a Question](#) or [Start an Offer](#)

1 of 4 Redfin Agents in this area





# Test 2: Are you pricing or valuing?

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Europe  
Switzerland  
  
Biotechnology  
Biotechnology

Reuters BION.S    Bloomberg BION SW    Exchange SWX    Ticker BION

|                            |                |
|----------------------------|----------------|
| Price at 12 Aug 2013 (CHF) | 124.00         |
| Price Target (CHF)         | 164.50         |
| 52-week range (CHF)        | 128.40 - 84.90 |

## Strong sector and stock-picking continue

### Impressive performance

Over the past two years, BB Biotech shares have roughly tripled, which could tempt investors to take profits. However, this performance has been well backed by a deserved revival of the biotech industry, encouraging fundamental news, M&A, and increased money flow into health care stocks. In addition, BBB returned to index outperformance by modifying its stock-picking approach. Hence, despite excellent performance, the shares still trade at a 23% discount to the net asset value of the portfolio. Hence, the shares are an attractive value vehicle to capture growth opportunities in an attractive sector.

### Biotech industry remains attractive

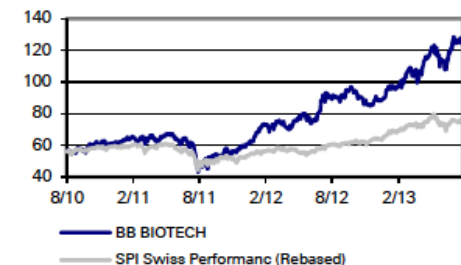
With the re-rating of the pharma sector, investors have also showed increased interest in biotech stocks. Established biotech stocks have delivered encouraging financial results and approvals, while there has also been substantial industry consolidation, which is not surprising in times of "cheap" money and high liquidity. BB Biotech remains an attractive vehicle to capture the future potential of the biotech sector. In addition, investors benefit from a 23% discount to NAV and attractive cash distribution policy of 5% yield p.a. Hence, we reiterate our Buy on BB Biotech shares.

### Key changes

Target Price 106.50 to 164.50 ↑ 54.5%

Source: Deutsche Bank

### Price/price relative



| Performance (%) | 1m   | 3m  | 12m  |
|-----------------|------|-----|------|
| Absolute        | -1.4 | 5.4 | 37.4 |

# The determinants of price

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## **Mood and Momentum**

Price is determined in large part by mood and momentum, which, in turn, are driven by behavioral factors (panic, fear, greed).

## **Liquidity & Trading Ease**

While the value of an asset may not change much from period to period, liquidity and ease of trading can, and as it does, so will the price.

The Market Price

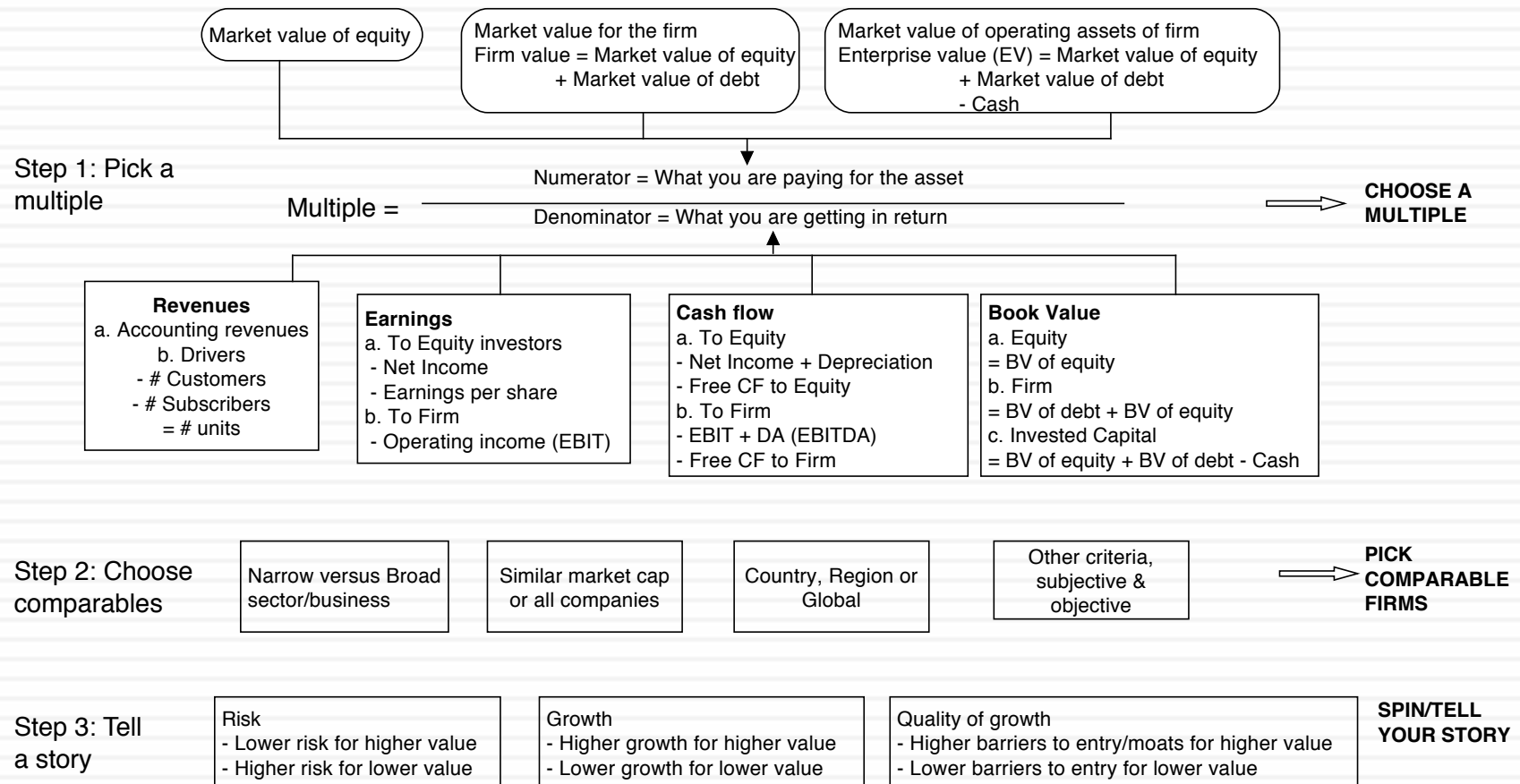
## **Incremental information**

Since you make money on price changes, not price levels, the focus is on incremental information (news stories, rumors, gossip) and how it measures up, relative to expectations

## **Group Think**

To the extent that pricing is about gauging what other investors will do, the price can be determined by the "herd".

# Multiples and Comparable Transactions



# Pricing Twitter: Start with the “comparables”

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| Company     | Market Cap   | Enterprise value | Revenues   | EBITDA     | Net Income | Number of users (millions) | EV/User  | EV/Revenue | EV/EBITDA | PE     |
|-------------|--------------|------------------|------------|------------|------------|----------------------------|----------|------------|-----------|--------|
| Facebook    | \$173,540.00 | \$160,090.00     | \$7,870.00 | \$3,930.00 | \$1,490.00 | 1230.00                    | \$130.15 | 20.34      | 40.74     | 116.47 |
| Linkedin    | \$23,530.00  | \$19,980.00      | \$1,530.00 | \$182.00   | \$27.00    | 277.00                     | \$72.13  | 13.06      | 109.78    | 871.48 |
| Pandora     | \$7,320.00   | \$7,150.00       | \$655.00   | -\$18.00   | -\$29.00   | 73.40                      | \$97.41  | 10.92      | NA        | NA     |
| Groupon     | \$6,690.00   | \$5,880.00       | \$2,440.00 | \$125.00   | -\$95.00   | 43.00                      | \$136.74 | 2.41       | 47.04     | NA     |
| Netflix     | \$25,900.00  | \$25,380.00      | \$4,370.00 | \$277.00   | \$112.00   | 44.00                      | \$576.82 | 5.81       | 91.62     | 231.25 |
| Yelp        | \$6,200.00   | \$5,790.00       | \$233.00   | \$2.40     | -\$10.00   | 120.00                     | \$48.25  | 24.85      | 2412.50   | NA     |
| Open Table  | \$1,720.00   | \$1,500.00       | \$190.00   | \$63.00    | \$33.00    | 14.00                      | \$107.14 | 7.89       | 23.81     | 52.12  |
| Zynga       | \$4,200.00   | \$2,930.00       | \$873.00   | \$74.00    | -\$37.00   | 27.00                      | \$108.52 | 3.36       | 39.59     | NA     |
| Zillow      | \$3,070.00   | \$2,860.00       | \$197.00   | -\$13.00   | -\$12.45   | 34.50                      | \$82.90  | 14.52      | NA        | NA     |
| Trulia      | \$1,140.00   | \$1,120.00       | \$144.00   | -\$6.00    | -\$18.00   | 54.40                      | \$20.59  | 7.78       | NA        | NA     |
| Tripadvisor | \$13,510.00  | \$12,860.00      | \$945.00   | \$311.00   | \$205.00   | 260.00                     | \$49.46  | 13.61      | 41.35     | 65.90  |
|             |              |                  |            |            |            | <b>Average</b>             | \$130.01 | 11.32      | 350.80    | 267.44 |
|             |              |                  |            |            |            | <b>Median</b>              | \$97.41  | 10.92      | 44.20     | 116.47 |

# Read the tea leaves: See what the market cares about

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|                                   | <i>Market Cap</i> | <i>Enterprise value</i> | <i>Revenues</i> | <i>EBITDA</i> | <i>Net Income</i> | <i>Number of users (millions)</i> |
|-----------------------------------|-------------------|-------------------------|-----------------|---------------|-------------------|-----------------------------------|
| <i>Market Cap</i>                 | 1.                |                         |                 |               |                   |                                   |
| <i>Enterprise value</i>           | 0.9998            | 1.                      |                 |               |                   |                                   |
| <i>Revenues</i>                   | 0.8933            | 0.8966                  | 1.              |               |                   |                                   |
| <i>EBITDA</i>                     | 0.9709            | 0.9701                  | 0.8869          | 1.            |                   |                                   |
| <i>Net Income</i>                 | 0.8978            | 0.8971                  | 0.8466          | 0.9716        | 1.                |                                   |
| <i>Number of users (millions)</i> | 0.9812            | 0.9789                  | 0.8053          | 0.9354        | 0.8453            | 1.                                |

Twitter had 240 million users at the time of its IPO. What price would you attach to the company?

## Use the “market metric” and “market price”

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- The most important variable, in late 2013, in determining market value and price in this sector (social media, ill defined as that is) is the number of users that a company has.
- Looking at comparable firms, it looks like the market is paying about \$100/user in valuing social media companies, with a premium for “predictable” revenues (subscriptions) and user intensity.
- Twitter has about 240 million users and can be valued based on the \$100/user:
- Enterprise value =  $240 * 100 = \$24$  billion

# VI. Don't mistake luck for skill!

**100**

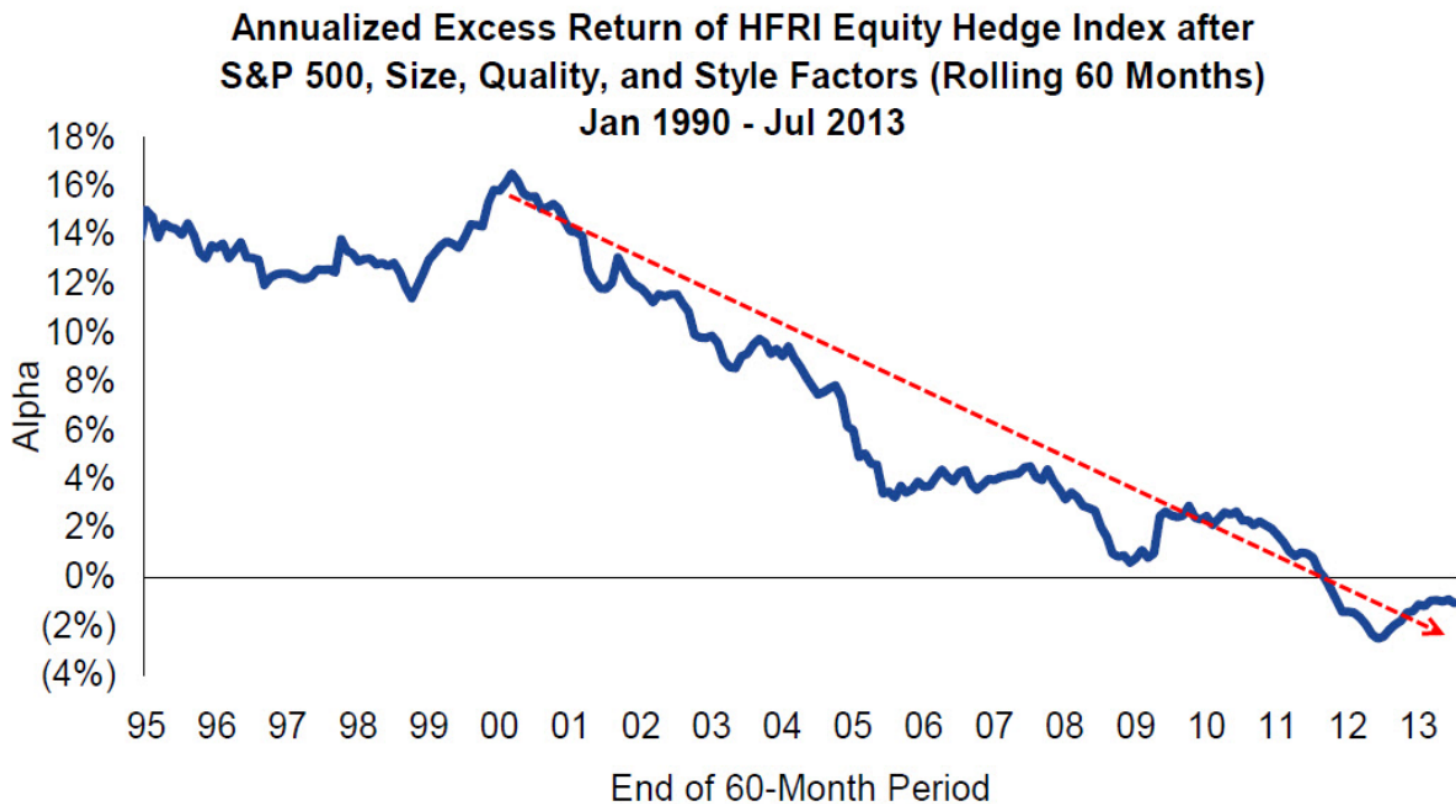
**TOP-PERFORMING**

**LARGE HEDGE FUNDS**

|    | Fund, Manager(s)   | Management Firm, Location                  | Strategy                   | ASSETS, IN BILLIONS | YTD TOTAL RETURN* | 2012 RETURN |
|----|--|--|----------------------------|---------------------|-------------------|-------------|
| 1  | <b>Glenview Capital Opportunity</b> , <i>Larry Robbins</i>                               | Glenview Capital Management, U.S.          | Long/short                 | \$1.8               | 84.2%             | 54.3%       |
| 2  | <b>Matrix Capital Management</b> , <i>David Goel</i>                                     | Matrix Capital Management, U.S.            | Long/short                 | 1.6                 | 56.0              | 20.0        |
| 3  | <b>Paulson Recovery</b> , <i>John Paulson</i>  | Paulson & Co., U.S.                        | Long equity                | 2.4                 | 45.0              | 4.9         |
| 4  | <b>Lansdowne Developed Markets SIF</b> <i>Stuart Roden, Peter Davies, Jonathan Regis</i> | Lansdowne Partners, U.K.                   | Long biased                | 1.5                 | 44.5              | 34.5        |
| 5  | <b>The Children's Investment</b> , <i>Christopher Hohn</i>                               | The Children's Investment Fund Mgmt., U.K. | Activist                   | 7.3                 | 39.7              | 30.0        |
| 6  | <b>Owl Creek Overseas</b> , <i>Jeffrey Altman, Daniel Krueger, Jeffrey Lee</i>           | Owl Creek Asset Management, U.S.           | Event driven/multistrategy | 3.2                 | 38.1              | 11.1        |
| 7  | <b>Glenview Capital Partners</b> , <i>Larry Robbins</i>                                  | Glenview Capital Management, U.S.          | Long/short                 | 3.2                 | 37.4              | 24.2        |
| 8  | <b>Triaran Partners</b> , <i>Nelson Peltz, Peter May, Ed Garden</i>                      | Triaran Fund Management, U.S.              | Activist                   | 7.6                 | 34.9              | 0.9         |
| 9  | <b>Palomino</b> , <i>David Tepper</i>  | Appaloosa Management, U.S.                 | Opportunistic              | 7.3                 | 31.5              | 29.3        |
| 10 | <b>Pelham Long/Short</b> , <i>Ross Turner</i>  | Pelham Capital Management, U.K.            | Long/short                 | 3.2                 | 30.3              | 18.4        |

# But here is the big picture

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# The Impossible Quest: Searching for “smart” money

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- We are constantly told that there is “smart” money out there, i.e., investors who have figured out ways to beat the market consistently.
  - Can you name one category of investors that you would list as “smart” money?
  - Can you name individual investors that you would call “smart” money?
- It is every active investor’s dream to be one of the “smart money” group. What do you need to bring to the game to have a good chance of succeeding?
  - a. Lots of money to invest
  - b. Smarts (High IQ, College Pedigree)
  - c. Information access (Better data, More data, Proprietary data)
  - d. Information processing (Better models, Bigger computers)
  - e. Trading platform (High speed trading)
  - f. Something else (What?)

And the final lesson..



*Aswath Damodaran*