

Speed MI Up è un'iniziativa che rientra nell'Accordo per il sostegno a Occupazione e Imprenditorialità sottoscritto da Camera di Commercio di Milano e Comune di Milano.

Il consorzio Speed MI Up, costituito da Università Bocconi e Camera di Commercio di Milano, si occupa della sua realizzazione.







Prof. Dr. Mikkel Draebye, Department for Entrepreneurial & Strategic Management



## Agenda (Mixed Bag)



- 1. Lean Start-up revisited... operational and mindset implications
- 2. Something more on numbers and number sources: sales forecasting (for business planning): methods and sources





### Mikkel Draebye, Danish

Mikkel holds a BA and MSc from the University of Aarhus (DK), and MBA from SDA Bocconi (IT) and a PhD from Carlo Cattaneo LIUC University (IT). Mikkel has received formal training in the area of teaching, strategy and entrepreneurship from Harvard Business School (US), IMD (CH), Babson College (US) and Syracuse University (US)

Mikkel teaches an average of 60 course days per year in around 20 different executive and master courses, mainly in the area of entrepreneurship & Innovation, strategy and business planning. Mikkel is currently doing research into the area of Corporate Entrepreneurship & Innovation, but comments and blog on other academic themes as well such as Start-Up Entrepreneurship, Entrepreneurial Finance, Strategic Management, Sports Management, Corporate Social Responsibility, Non-Market Strategies and Business Ethics.

Mikkel's institutional responsibilities in Bocconi include coordinating and tutoring the MBA Entrepreneurial Projects and selecting, advising and tutoring Start-Ups in Bocconi's SpeedMiUp incubator. Since 1999 Mikkel has advised and tutored more than 200 start-ups.

Mikkel is frequently involved as a visiting professor, expert and guest-speaker in courses, seminars and events involving Innovation, Entrepreneurship, Sports Management, Business and Strategic Planning. Institutions inviting Mikkel includes: Barilla (IT), Edison (IT), Enel Green Power (IT), Whirlpool Europe (IT), Gruppo Unicredito (IT), Confindustria (IT), UEFA (CH), CIES (CH), Rotterdam School of Management (NL), Nyenrode University (NL), Chulalongkorn University (TH), Fudan Shanghai University (CHN), and Nordakademie (DE)



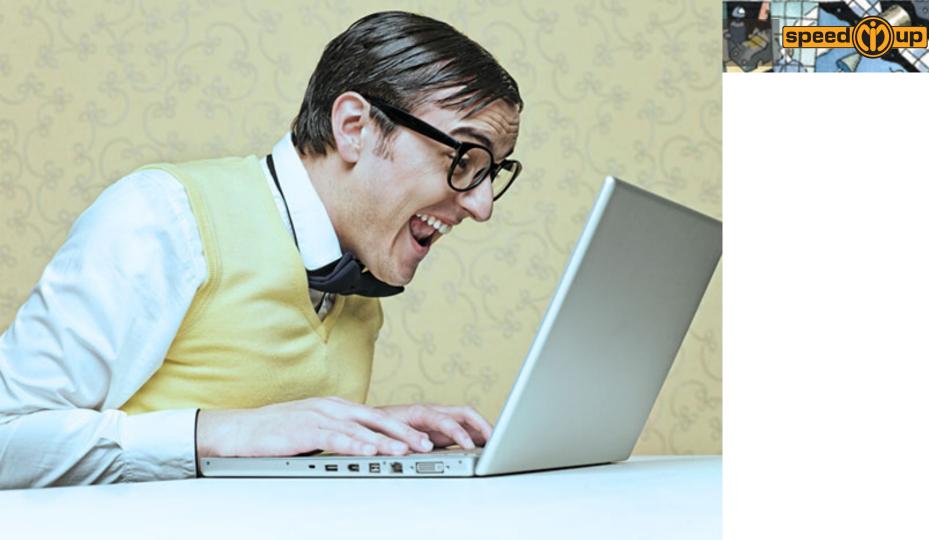




**Start-ups in an academic context** 



# MANAGING UNCERTAINTY









# stile del titolo

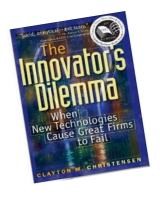




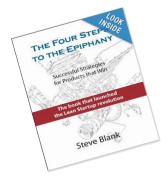
# LEARNING FAST

# The Minimal Viable Product / Lean Start Up Learning and Validation Method

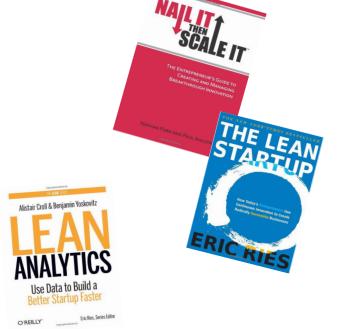










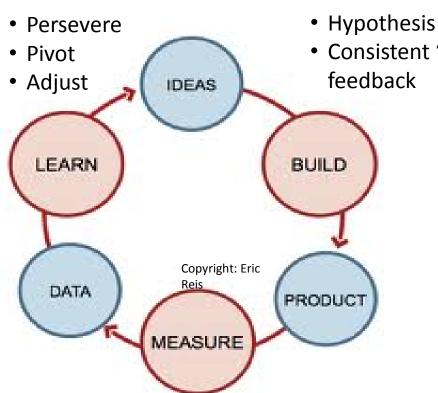


## Lean Principles: Build — Measure - Learn (1) up





- Conversion
- Retention
- Sales
- Referrals



Consistent "themes" in market

- Landing page
- Mockups
- Prototype
- Release 1.0

### Test of the underlying hypotheses for the business speed (1) up



- 1. Value Hypothesis: Is someone willing to pay
- 2. Growth Hypothesis: Can I grow the business at a profit
- 3. Other Hypotheses: Cost, Quality, Delivery......

### Models of Growth (Growth Hypotheses)



Paid Engine of Growth

Sticky Engine of Growth

Viral Engine
Of Growth

CPA CPO Average Basket Basket Margin

Retention rates Repeat Buys Lifetime Value Viral Coefficients:
How many new users will "sign up" as a result of adding one new customer

### Different type of MVPs



- Video MVP: Demonstrating functions and preselling/pre-ordering (Dropbox, Pebble...). This MVP approach has become easier with Kickstarter/IndieGoGo etc
- Concierge MVP: Manually performing some of the tasks that your fully developed website would eventually perform automatically through backend algoritms (Aardvark, Cercaofficina)
- Email
- Wireframe ("empty" website)
- Working Prototype

MVP adopters are early adopters. They help you to understand the value hypotheses. More difficult to test growth hypotheses with MVP

## Other type of Experiments



- Split Tests (A/B Testing)
- Period Tests (Feature Testing)

## "Mindset Implications" -1





**Dreamers** 

**Smart Entrepreneurs** 

Employees Couch Potatoes

Lo

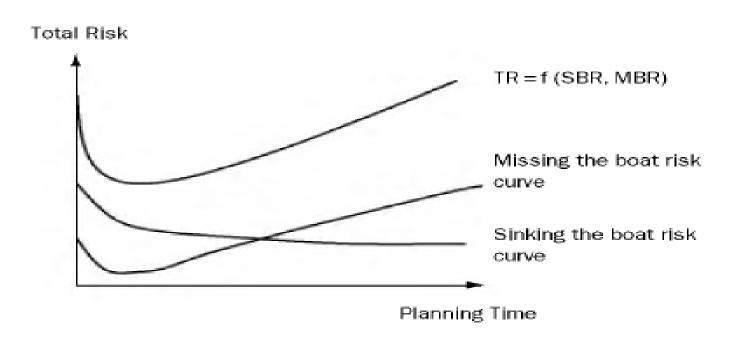
Managers

Hi

Action Orientation, Measuring, Planning, Learning

## "Mindset Implications" -2





### Principles of Effectuation (Sarasvathy)



Bird-in-hand principle:
Start with Who you are, What you know, & Whom you know

(Not with pre-set goals)

Affordable loss principle: Invest what you can afford to lose – extreme case \$0

(Not expected return)

Crazy Quilt principle:
Build a network of self-selected stakeholders

(Not competitive analysis)

Lemonade principle:
Embrace and Leverage surprises

(Not avoid them)

Pilot-in-the-plane principle:
The future comes from what people do

(Not inevitable trends)

Effectual Principles











### 1. Market Hypotheses



### 1. Define the target Market

Market for watches in EMEA

Market for Car Repair Services in Italy

Market for security check trays in Italy

Market for Dressing Apps – world

Market for Authentication Solutions – Italy

What if market is new?: Size the potential users

# Example



Market	potential: top dowr	n approach.		
	2012	2013	2014	2015
Number of high-end medium bottle sold (thousand)	636	717	809	913
Potential number of FAM sold (thousand)	636	717	809	913
Potential number of analysis performed (thousand)	64	72	81	91
Price per FAM	20	25	30	30
Price per Analysis	90	90	90	90
Potential FAM revenues	12,720,000	17,925,000	24,270,000	27,390,000
Potential Analysis revenues	5,717,640	6,445,830	7,272,910	8,207,870
Total potential revenues	18,437,640	24,370,830	31,542,910	35,597,870
From public/private research centers	5,531,292	7,311,249	9,462,873	10,679,361
From private companies, CMO & CRO	12,906,348	17,059,581	22,080,037	24,918,509

## 1. Overall Market Size & Growth



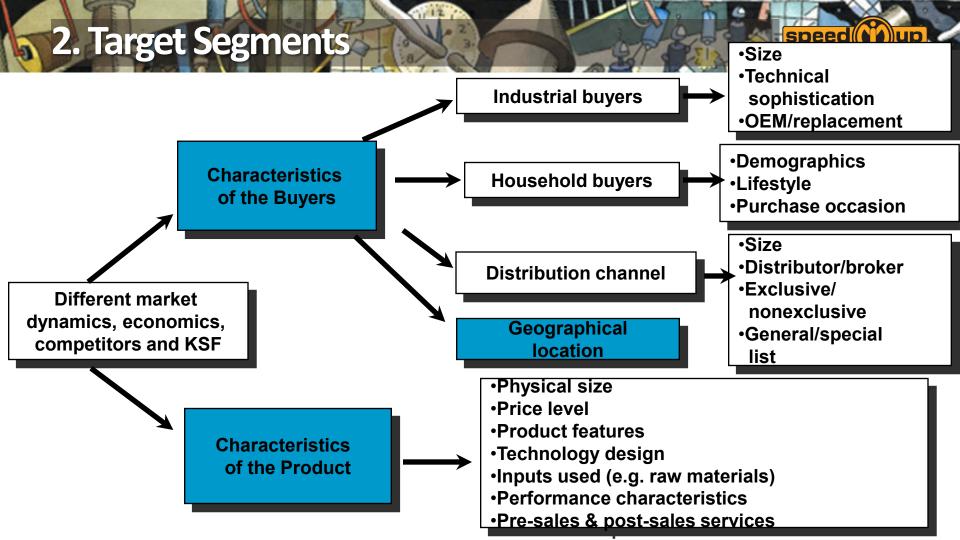
**Data and Information Sources** 

lib.unibocconi.it – databases

**Aida** 

**Amadeus** 

**Business Source Complete** 



### 3. Competitor Analysis



# Describe and list competitors in your segment If many, group them If few, include "substitute" competition

Direct Competitor Analysis

Boat	Characteristics	Passenger Capacity per Boat	Average Price	Average Monthly Passengers
Rissalena	37 ft motor catamaran	24	35	1,700
Pez Gato	Two 40 ft sailing cat	35	40	2,500
Pirate ship	110 ft ship	150	49	4,000
Princesa	Three 43 ft sailing cat	42	50	3,000
Guapa	42 ft motor cat	40	70	1,500
Manta	46 sailing cat	50	60	2,000

Bars/Restaurants:

Koko Bar: Weaknesses: Limited number of TV's, Australian themed, limited food

menu, uncomfortable seating arrangements, poor service, poor

management, location

Strengths: Large Ex-Pat crowd, pool tables, international matches

broadcasts throughout the week

English Football Pub: Weaknesses: Limited number of TV's, limited food menu, small space,

essentially an Irish pub, poor service, poor management

Strengths: Location (5 minute walk from Duomo), Ex-Pat crowd

Bar Magenta: Weaknesses: Poor layout, limited number of TV's, poor service, sporting

events not main attraction

Strengths: Location, aperitivo during broadcast matches, attracts

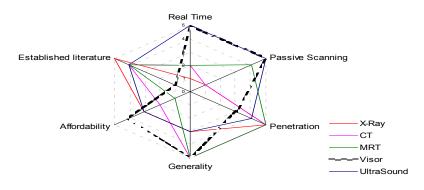
crowds on non-sporting event nights

Louisiana: Weaknesses: Limited number of TV's (one projection screen), not sports

focused, American bistro themed

Strengths: Strong Management, Location (Brera), large Ex-Pat crowd, attracts crowds for themed nights (discos, etc), well-marketed, excellent

website



## 4. Operational Marketing Plan



Planned selling activities

**Direct** 

**Agencies/Agents** 

Planned advertising activities

E-marketing (seo, ad words, facebook promote)

Social / Community

Radio, Outdoor, Print

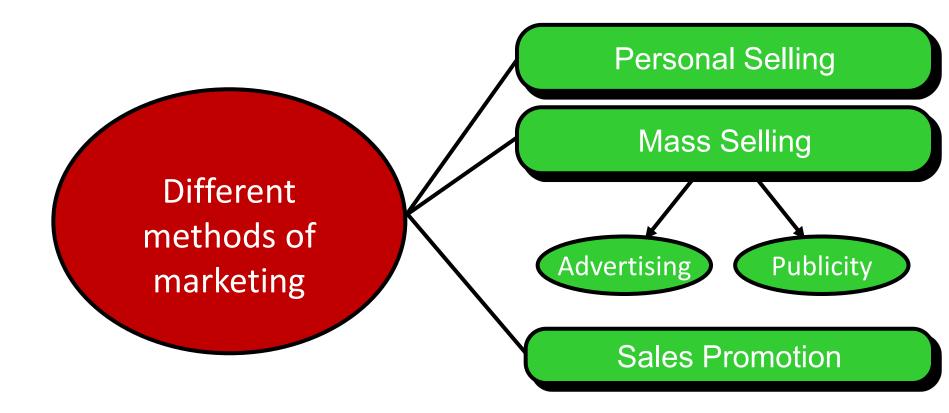
Fliers, Posters

**Events, Trade Fairs** 

Marketing budget

## Several Marketing Methods Are Available







### 4.3.1. Advertising

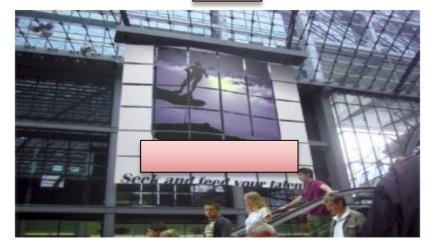
Advertising will be mainly online through the realization of online banners to be published on newspapers like Corriere della Sera and Il Sole 24 Ore and on specialized websites.



The expected investment reflect a required average of 5 clicks per day (cost per click around 5 euro) and will be around 9.000 euro (5 clicks for 360 days a year).



Additionally, for the first year promotion will run also through posters and billboards located in key areas of Milan (business areas) with the aim of raising curiosity and awareness around the brand.



The expected investment is 22.500 euro (for a total of 90 days of exposure). 13

### 4.3.2. Conferences and fairs



### **Marketing Budget**

Direct Customer Contact	2014	2015	2016	2017	2018	2019
Wine Tastings	10,000	20,000	80,000	150,000	400,000	400,000
Mobile Wine Tastings	-	40,000	150,000	300,000	600,000	400,000
Annual Wine Fair		55,000	100,000	300,000	300,000	300,000
Total Direct Customer Contact Expenses (US\$)	10,000	115,000	330,000	750,000	1,300,000	1,100,000

Advertising	2014	2015	2016	2017	2018	2019
Print	-	-	145,000	300,000	400,000	100,000
Street	-	-	200,000	400,000	400,000	-
Transporation	-	-	300,000	600,000	600,000	100,000
Company Offices	10,000	20,000	100,000	200,000	300,000	200,000
Community Parnters	20,000	30,000	300,000	500,000	600,000	300,000
Total Advertising Expenses (US\$)	30,000	50,000	1,045,000	2,000,000	2,300,000	700,000

Communications	2014	2015	2016	2017	2018	2019
Editorial	-	-	-	-	-	-
PR events	3,000	5,000	15,000	30,000	60,000	60,000
Total Communications Expenses (US\$)	3,000	5,000	15,000	30,000	60,000	60,000

Online	2014	2015	2016	2017	2018	2019
Google Adwords	5,000	10,000	30,000	50,000	100,000	60,000
Facebook Advertising	10,000	15,000	60,000	100,000	150,000	60,000
Other	2,000	5,000	20,000	70,000	90,000	20,000
Total Online Expenses (US\$)	17,000	30,000	110,000	220,000	340,000	140,000
Total Marketing Expenses (US\$)	60,000	200,000	1,500,000	3,000,000	4,000,000	2,000,000

2014 - Enter UK market



Lance and the second se	YY0-MM12	YY1-MM01	YY1-MM02	YY1-MM03	YY1-MM04	YY1-MM05	YY1-MM06
SEM		€ 50,260.00	€ 50,260.00	€ 50,260.00	€50,260.00	€50,260.00	€ 50,260.00
SEO		€1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00
Social Media, PR & Guerrilla	€ 133,280.00	€1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00
Affiliate Marketing							
CRM					€ 660.00	€ 660.00	€ 660.00
Banners							
Offline (newspaper; billboards, freepress)	€ 100,000.00	€8,000.00	€8,000.00	€ 8,000.00	€8,000.00	€8,000.00	€ 8,000.00
IS.		YY1-MM07	YY1-MM08	YY1-MM09	YY1-MM10	YY1-MM11	YY1-MM12
SEM		€ 50,260.00	€ 50,260.00	€50,260.00	€ 50,260.00	€ 50,260.00	€ 50,260.00
SEO		€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00
Social Media, PR & Guerrilla		€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00	€ 1,000.00
Affiliate Marketing					€5,000.00	€ 6,000.00	€ 9,000.00
CRM		€ 660.00	€ 660.00	€ 660.00	€ 660.00	€ 660.00	€ 720.00
Banners		€ 30,000.00	€ 30,000.00	€ 30,000.00	€ 30,000.00	€ 30,000.00	€ 30,000.00
Offline (newspaper; billboards, freepress)		€8,000.00	€8,000.00	€ 8,000.00	€ 8,000.00	€ 10,000.00	€ 10,000.00

### 5. Sales Forecasting



A salesforecast almost always implies assumptions. The trick is to make these assumptions <u>acceptable</u>

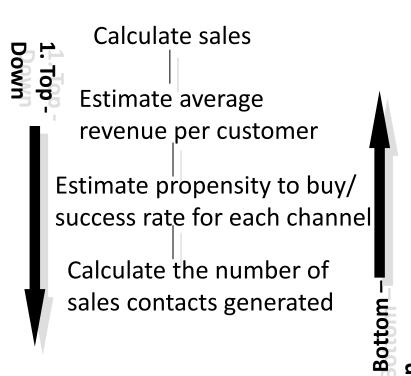
- Transparent
- Secure base
- "Linear" logic



## There are three Basic approaches to sales forecasting

Size potential market Estimate market share/ Propensity to buy Estimate average revenue per customer

Calculate Sales



3. Benchmarks



### Information and assumption sources

To (gu)estimate the propensity to buy your product, the following "techniques" can be applied

- Experience within the organization
  - History of product in different, but similar, markets
- Benchmarks
  - History of similar launches in other organizations
  - Industry "standards" (occupation rate of 3-star hotels in Moscow)
- Pilot tests (small scale launch)
- Market surveys
- Interview with potential clients (focus groups)
- Last resort: Arbitrary market share / market penetration rates

To the extent possible start from a secure base !!!!

# **Model Example Top-Down**



#### Chilean Wine Sales and Dondevan Share

	Year 2003	Year 2004	Year 2005	Year 2006
Total Chilean Wine in Italy (€)	1,982,952	2,181,247	2,399,372	2,639,309
Estimated Anual Growth	10%	10%	10%	10%
Italian Market (€)	2,200,000,000	2,233,000,000	2,266,495,000	2,300,492,425
Anual Growth	1.5%	1.5%	1.5%	1.5%
Chilean wine share	0.0901%	0.0977%	0.1059%	0.1147%
Dondevan Sales		293,745	587,490	881,235
Share over Chilean wine in Italy		13.5%	24.5%	33.4%
Dondevan Share Total Market		0.0132%	0.0259%	0.0383%

#### Dondevan Volume Estimation

Annual Sales	Quantities						
	Year 2003	Year 2004	Year 2005	Year 2006			
Escenario 1							
Bottles	2,719	50,400	100,800	151,200			
Cases	226.6	4,200	8,400	12,600			
Containers	0.3	5.00	10.00	15.00			

## Model example Bottom Up



### 25.000 emails

	Cart Email A	Cart Email B	Cart Email C	
	Day 1	Day 3	Day 5	AVERAGE
Open Rate	40%	39%	32%	37%
Click-to-Open	44%	47%	28%	41%
Click-thru-Rate	18%	18%	9%	15%
Conversion Rate	22%	15%	24%	20%
Sales/email	\$8.60	\$8.40	\$5.04	\$7.46



#### packing materials

Web Images Maps Shopping More ▼

Search tools

**CLICK ME!!!** 

About 23,700,000 results (0.37 seconds)

Ads related to packing materials (i)

ULINE - Packing Supplies - Huge Catalog - ULINE.cg

www.uline.com/Packing-Supplies

Over 25,000 Products. Same Day Shipping From 7 Locations.

Custom Products Cardboard Boxes

Plastic Bags Labels

Home Depot Packing Materials - homedepot.com

www.homedepot.com/

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68,605 people +1'd or follow The Home Depot

Expert Moving Advice & Tips - Moving Boxes - Save Now.

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www.officedepot.com > ... > Mailing, Shipping & Envelopes

Get Custom Envelopes at Office Depot, Including Custom Printed Envelopes & Standard Business Envelopes. Shop Our Selection of Business Envelopes Online  $\dots$ 

**Position 1:** 6%+

**Position 2:** 4-5%

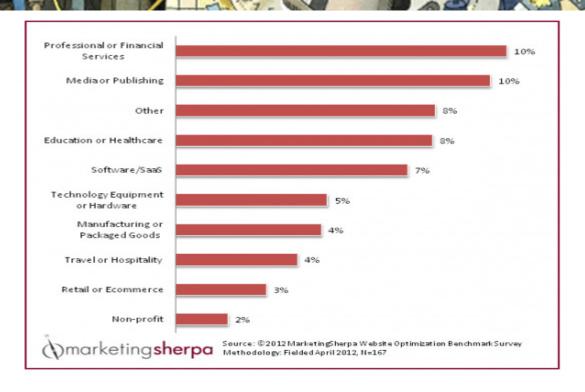
**Position 3:** 2-3%

**Position 4: 1-2%** 

Position 5 and lower: 1%

### **Conversion Rates**





Conversion rate (visit to add to basket): 8% Conversion rate (visit to sale): 4%

# 2013 update x device



	Conversion Rates by Device	Q1 2012	Q2 2012	Q3 2012	Q4 2012	Q1 2013
OVERALL	Traditional	2.25%	2.34%	2.72%	3.13%	2.51%
	Tablet	1.87%	1.82%	2.35%	2.86%	2.60%
<u> </u>	Smartphone	0.49%	0.53%	0.77%	0.83%	0.79%
	iPad	1.94%	1.90%	2.41%	2.96%	2.68%
TABLET	Kindle Fire	1.03%	0.92%	1.43%	1.70%	1.50%
	Android	1.14%	1.15%	2.15%	2.22%	2.04%
	iPhone	0.51%	0.55%	0.77%	0.84%	0.76%
ğ	Android	0.49%	0.50%	0.78%	0.82%	0.83%
SMARTPHONE	Windows	0.51%	0.47%	0.75%	0.74%	0.82%
	Other	0.04%	0.02%	0.23%	0.40%	0.48%