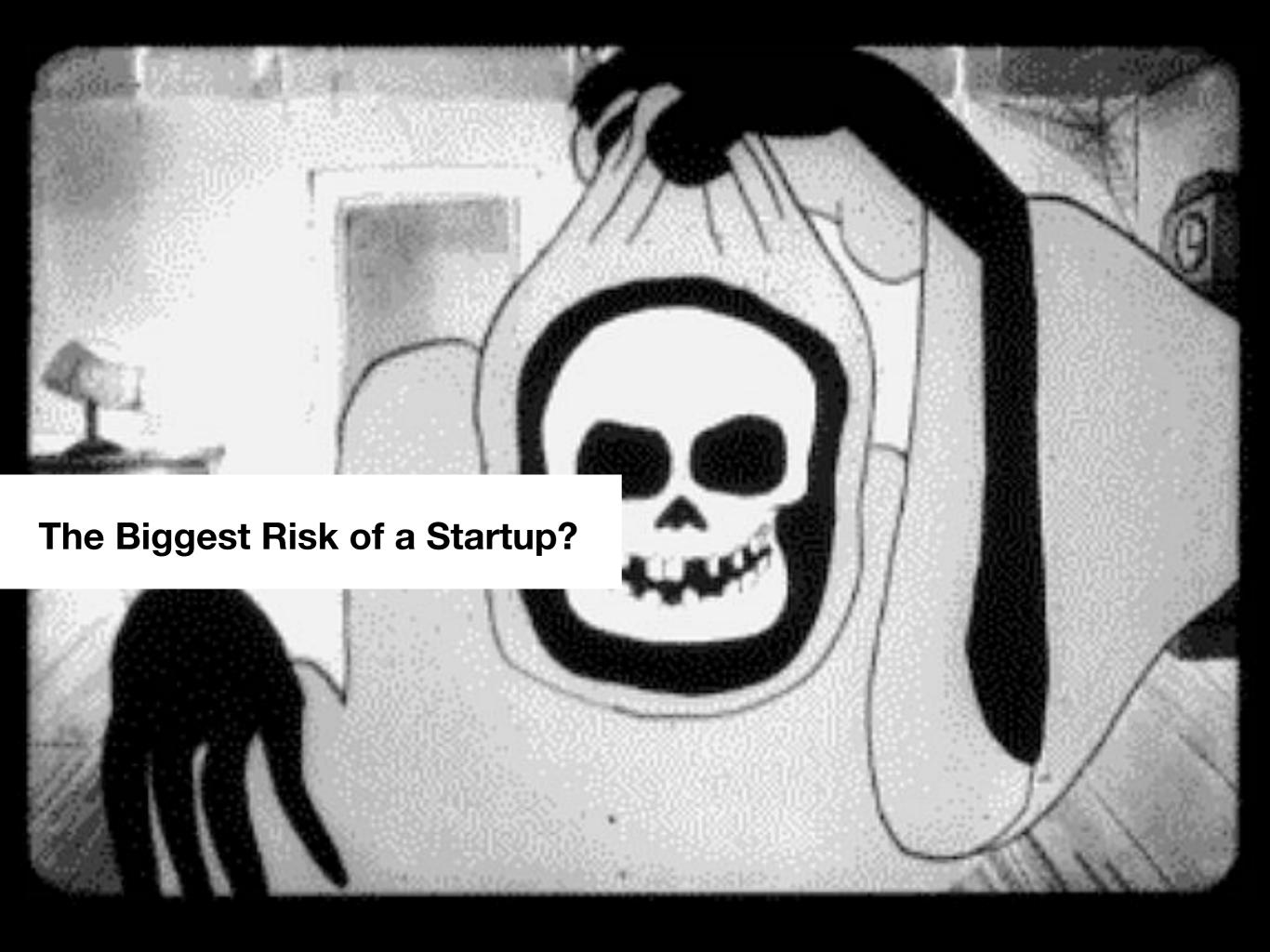


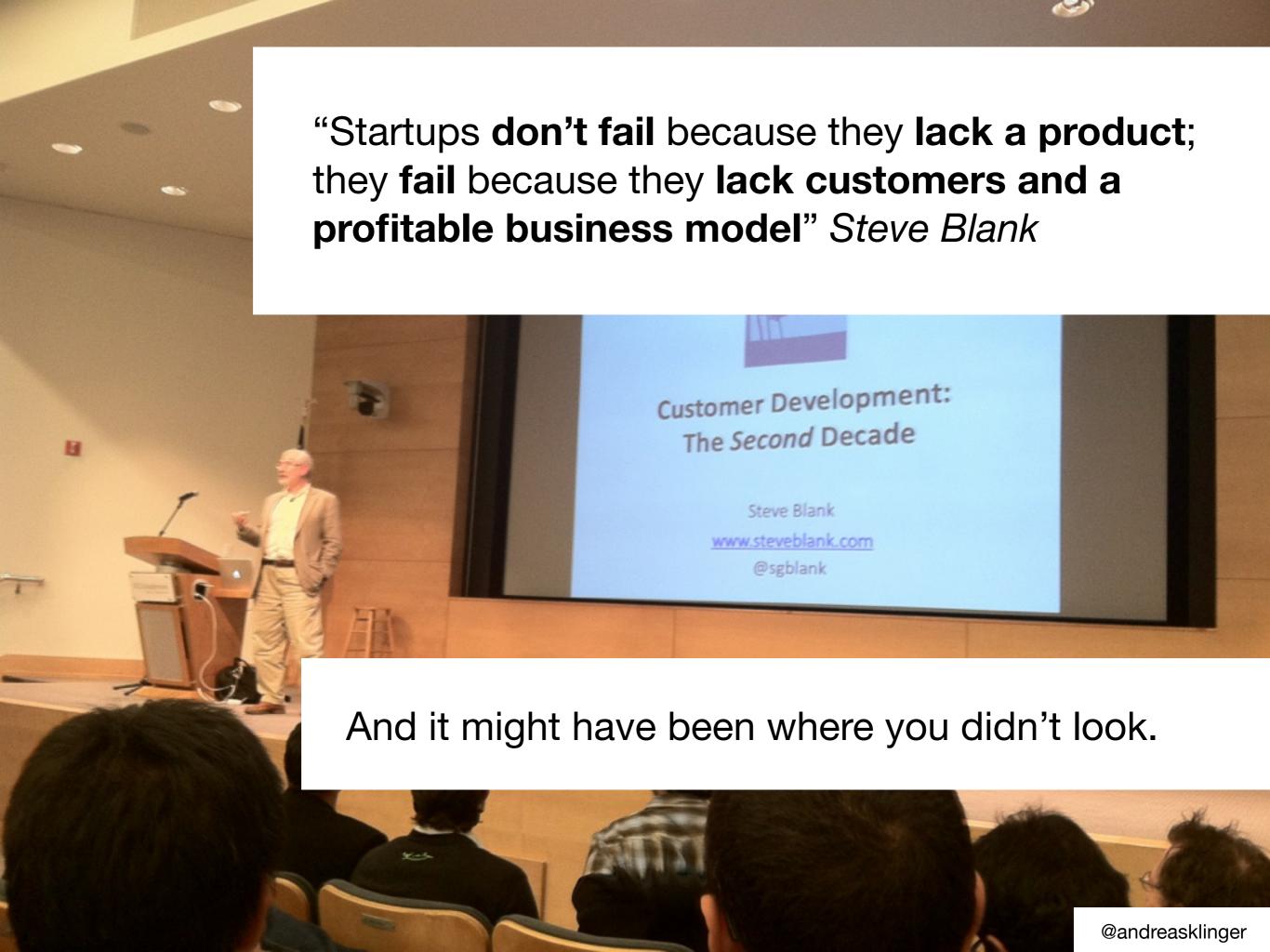
- Wrong assumptions on Metrics
- Lean Analytics & Advanced Topics



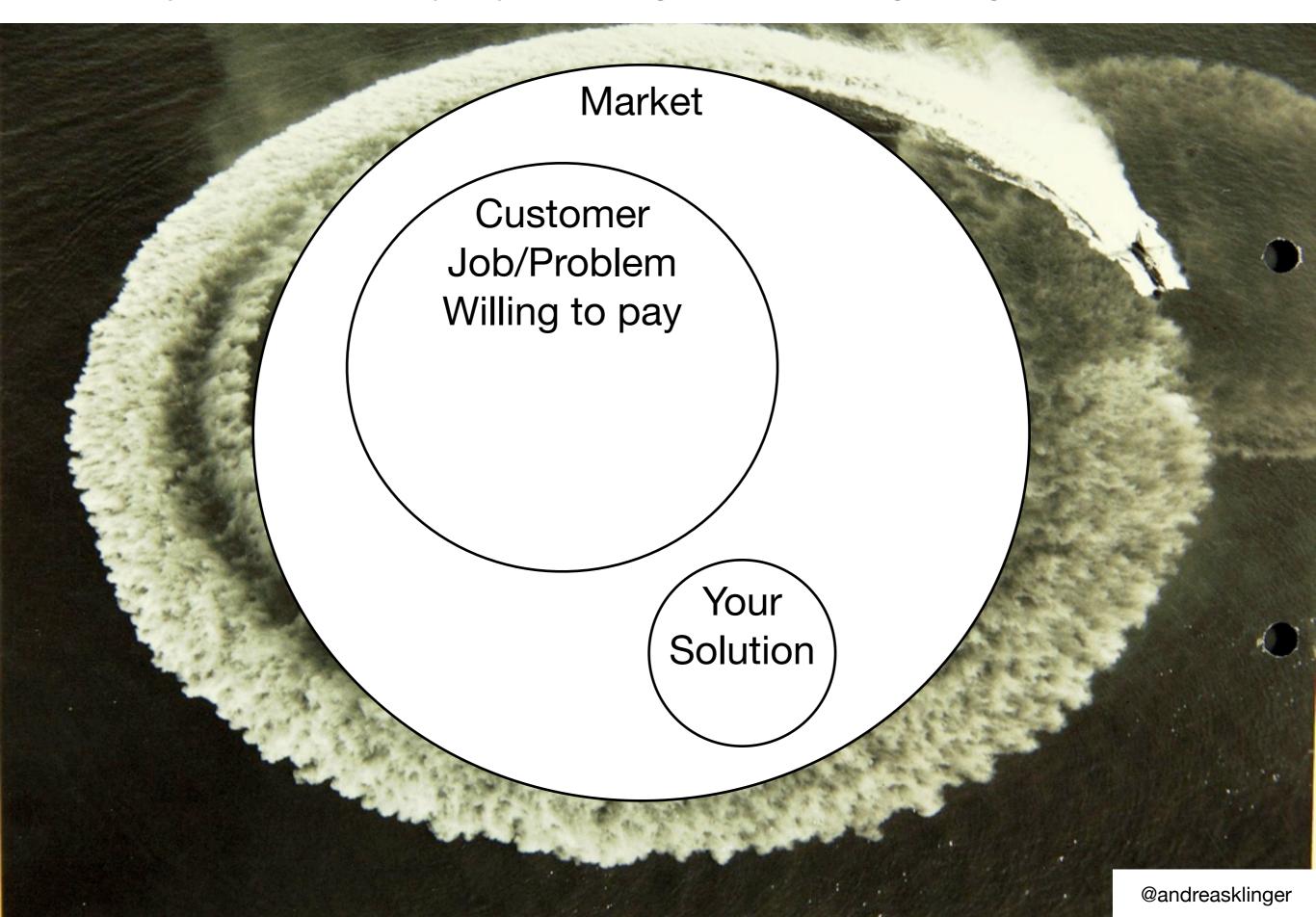




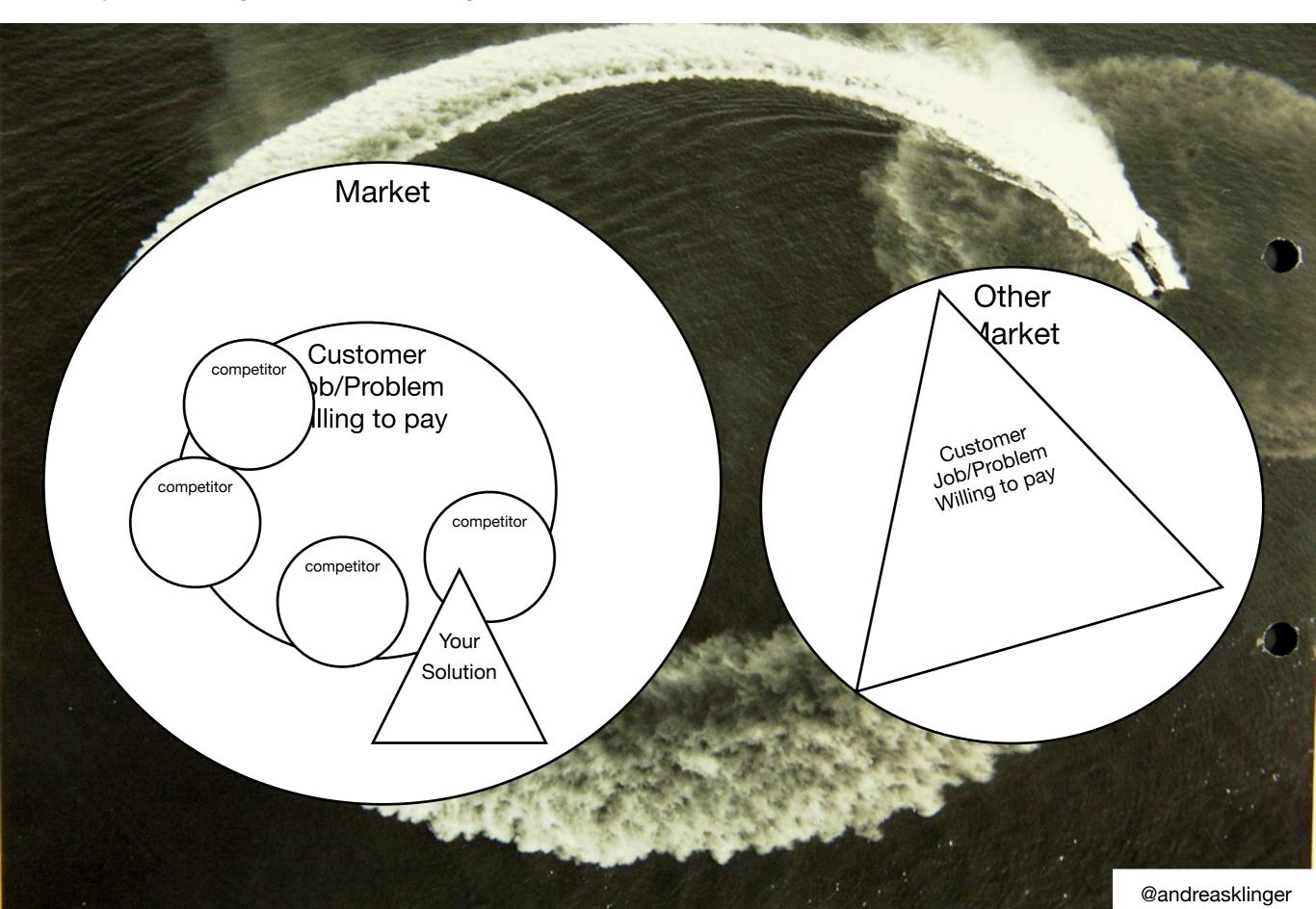
Seeing the successful new competitor who does what you do, but has one little detail different that you never focused on.



To miss your opportunity. By focusing on the wrong thing.



Or by looking at the wrong customer.





Startup Founders.

Give him your lips.



In passionately eternal bronze!

Totally intimate, original, captivating! No other girl has ever given him this, no other ever can; your very own lips! Smiling, pouting, nibbling, kissing - perfectly reproduced in rich, warm bronze.

Our foundry (custom caster for sculptors and museums) makes it so simple. Send us your order and we send you our foolproof Take-My-Lips Kit. You close your eyes, breathe deeply; think rapturously of your love, and cover your lips with our goo. In minutes you've recorded them for posterity. Rush your impression to us in the special mailer, and about a week after we get it we airmail you back your lips – in eternal bronze!

Can they be worn on a neck chain? Yes. A belt buckle? Yes. A biceps band? Yes, yes, yes! Will we mount them on an oiled walnut base for a small extra charge? Of course. Can you get more than one casting? Yes, you devil. (Can we cast other things? You bet -name it and we'll quote.)

Christmas is coming - don't just sit there. This time, wrap him up for good. Give him your lips!

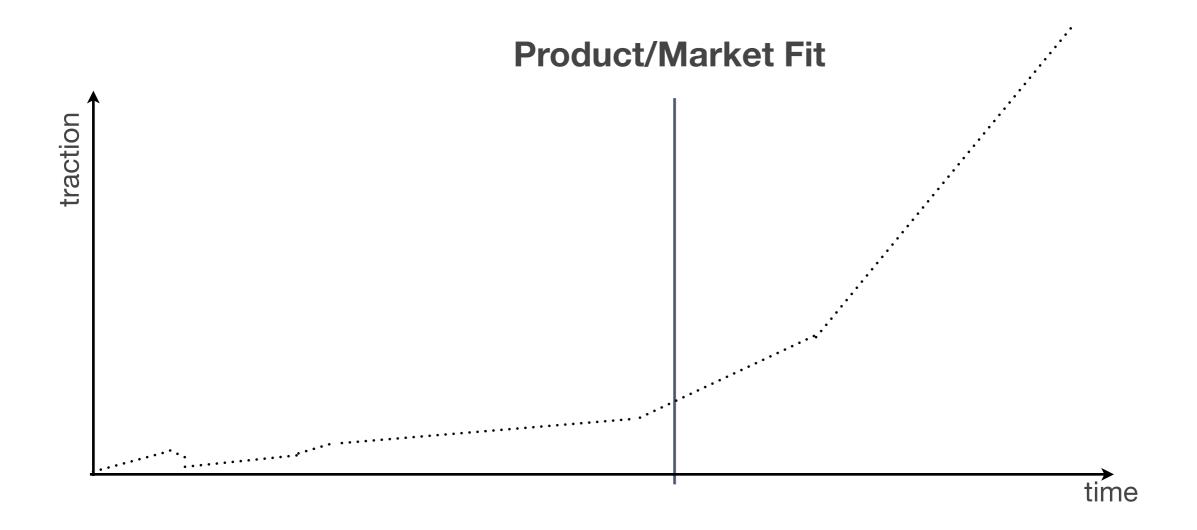
To order: Rush us your check or money order (sorry, no c.o.d.) for \$21.75. Extra castings, \$15 each. Walnut base, \$2 each. If your lips live in New York, please add sales tax. We'll send your Take-My-Lips Kit by return mail! First come, first served – and we can't guarantee Christmas delivery on impressions received after Nov. 27. Hurry – can't you just see his face?

South Mountain Passage Garrison, N.Y. 10524 Some startups have ideas for a new product.

Looking for customers to buy (or at least use) it.

Customers don't buy.

"early stage"

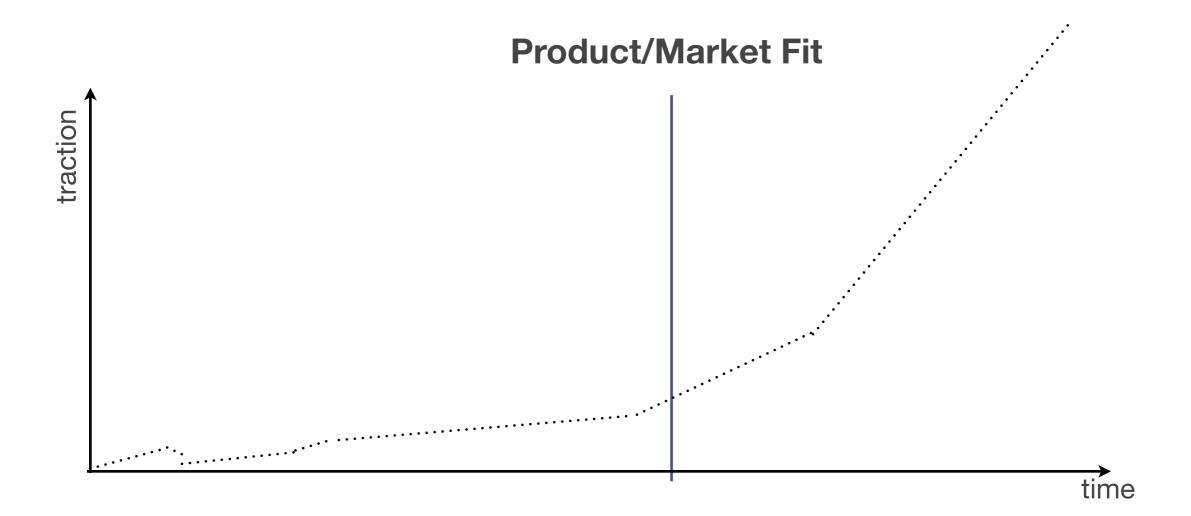


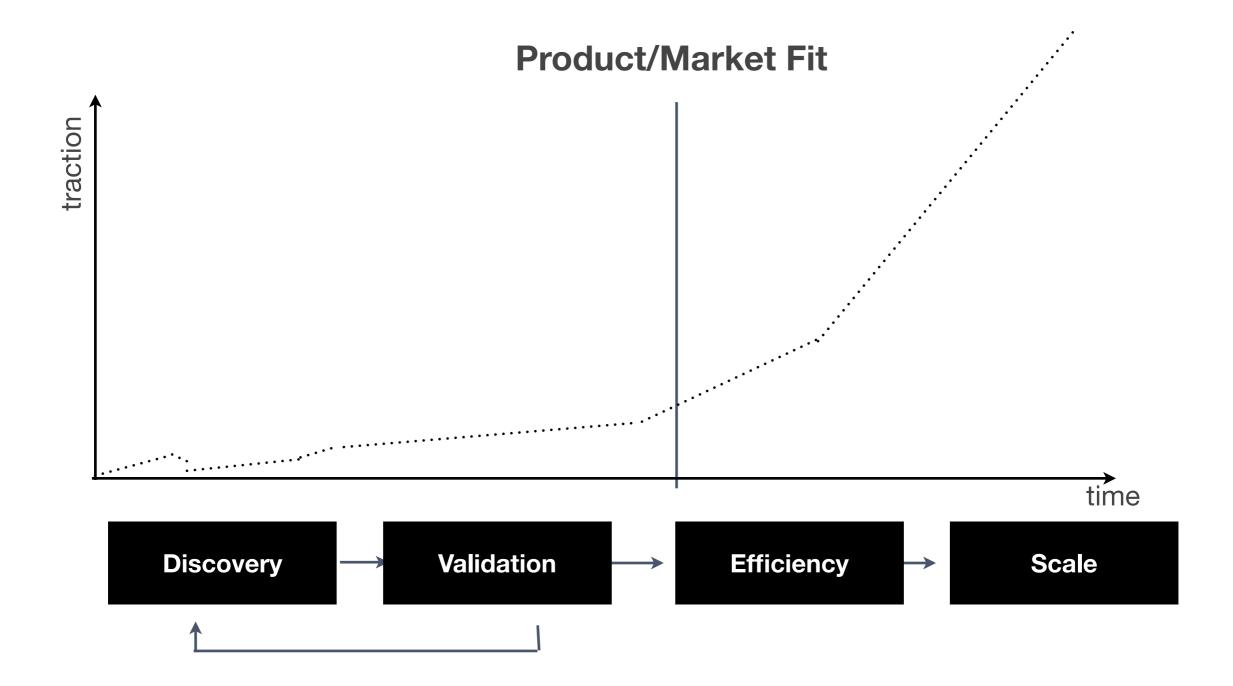
With early stage I do not mean "X Years"

I mean before product/market fit.

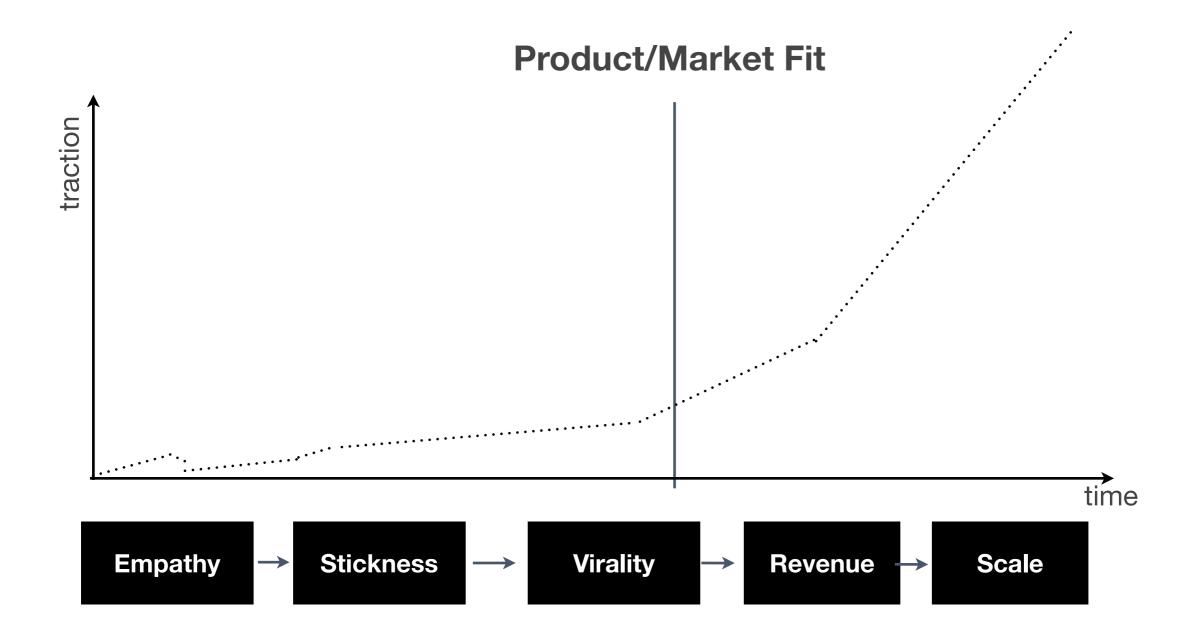




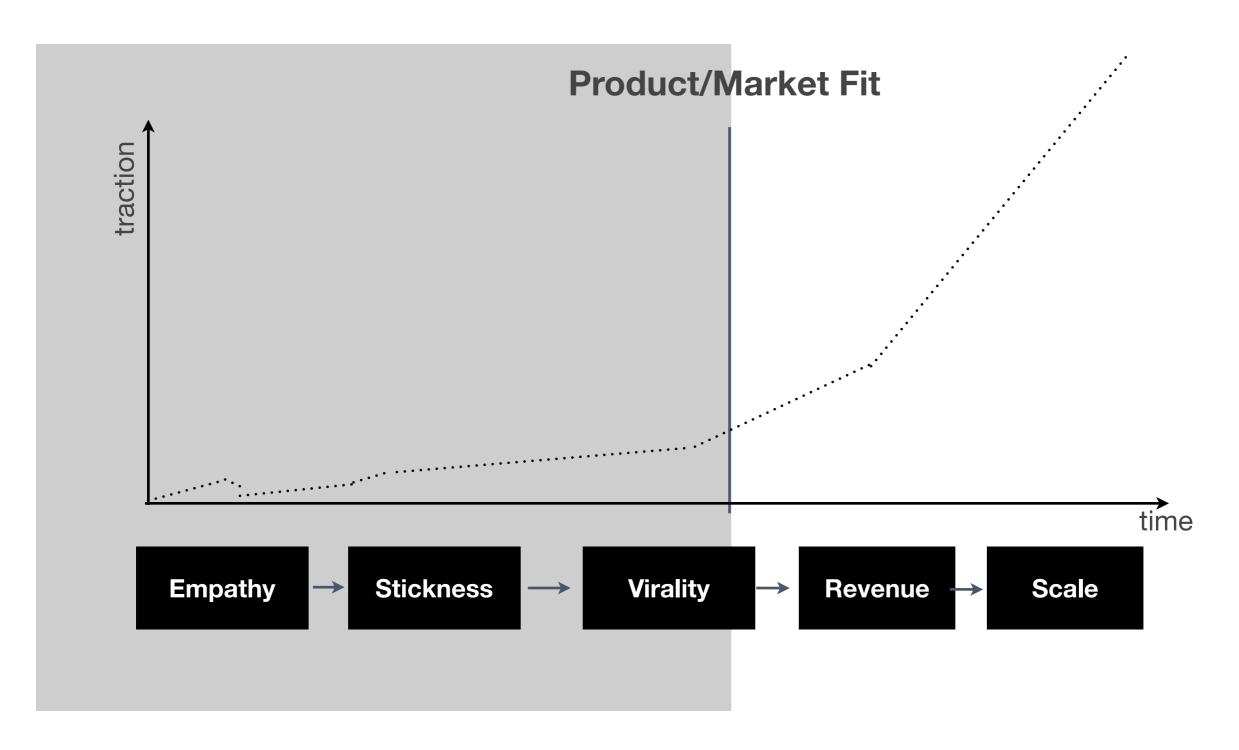




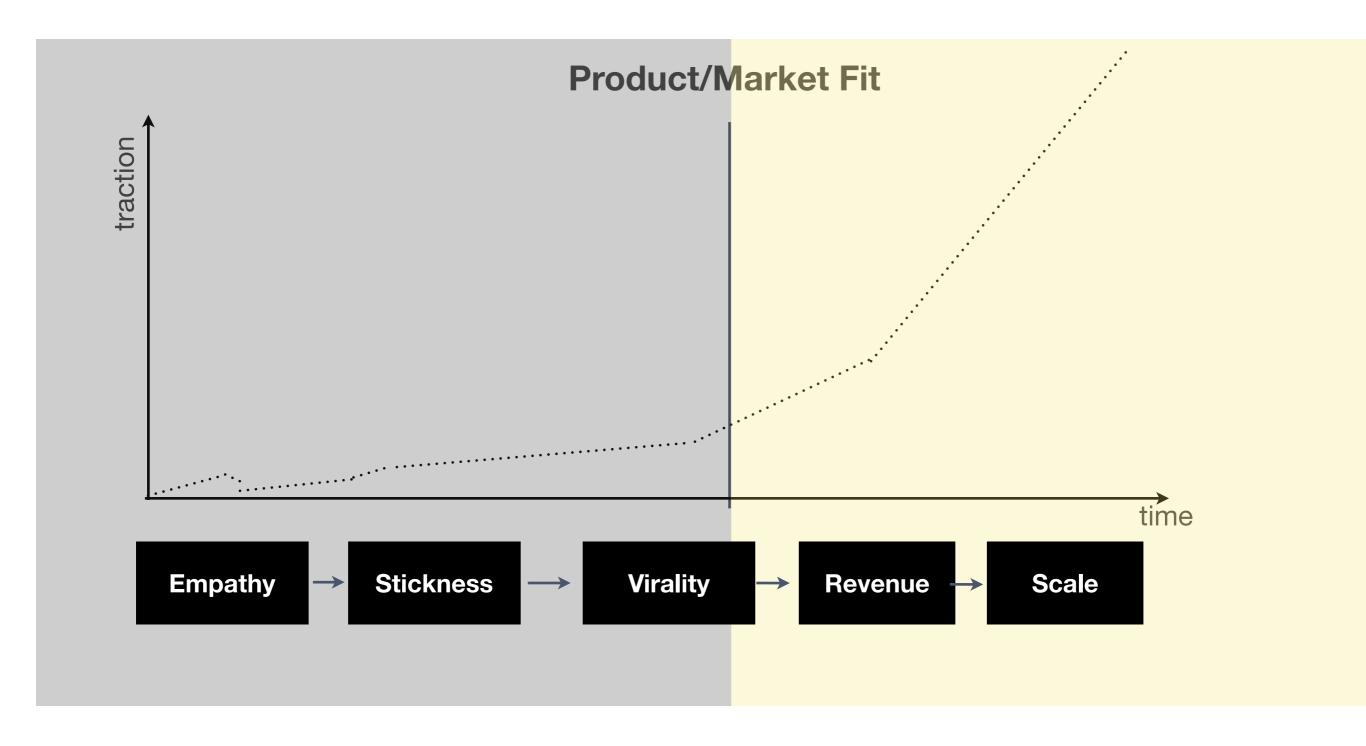
Steve Blank - Customer Development



Ben Yoskovitz, Alistair Croll - Lean Analytics

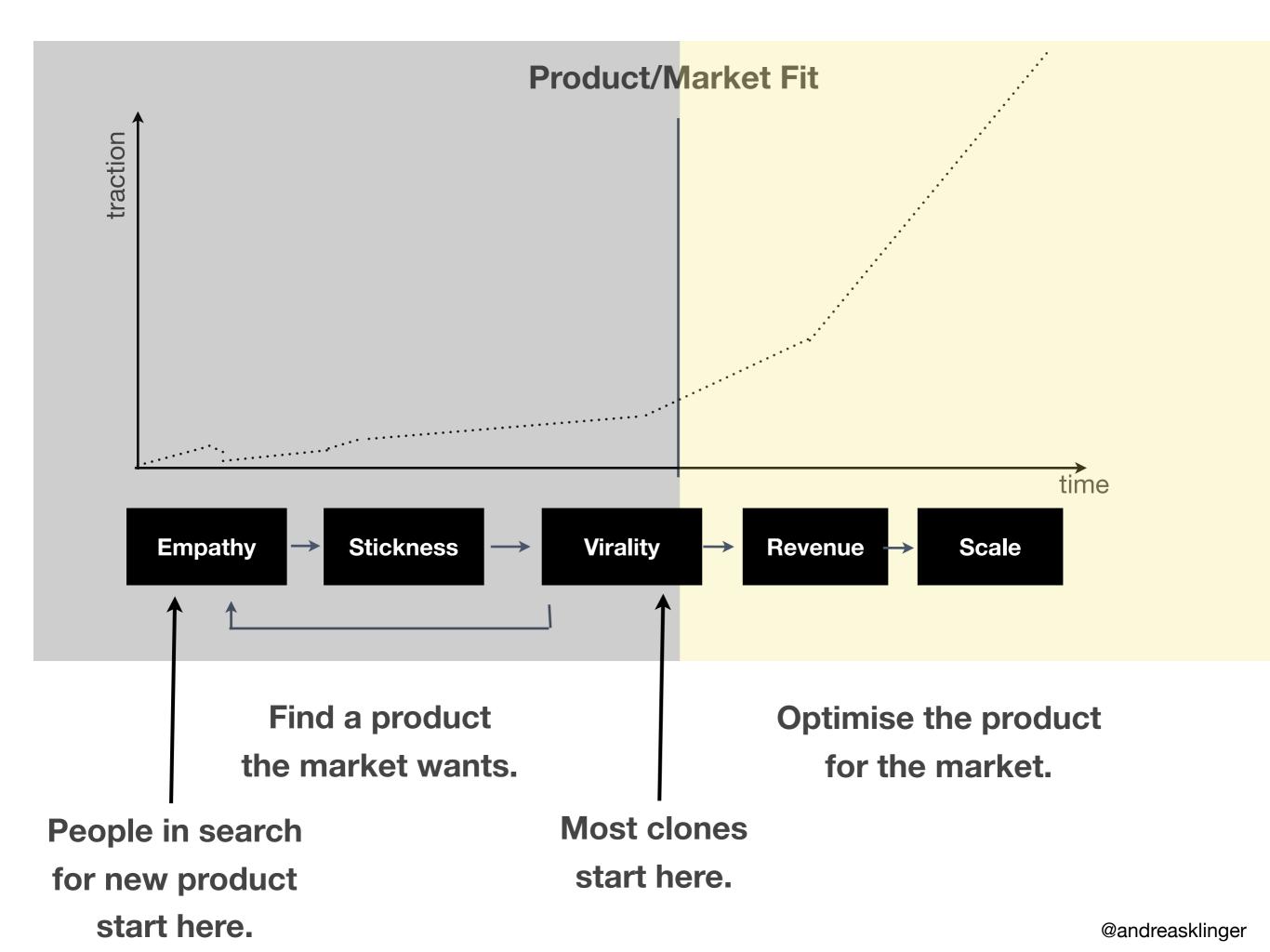


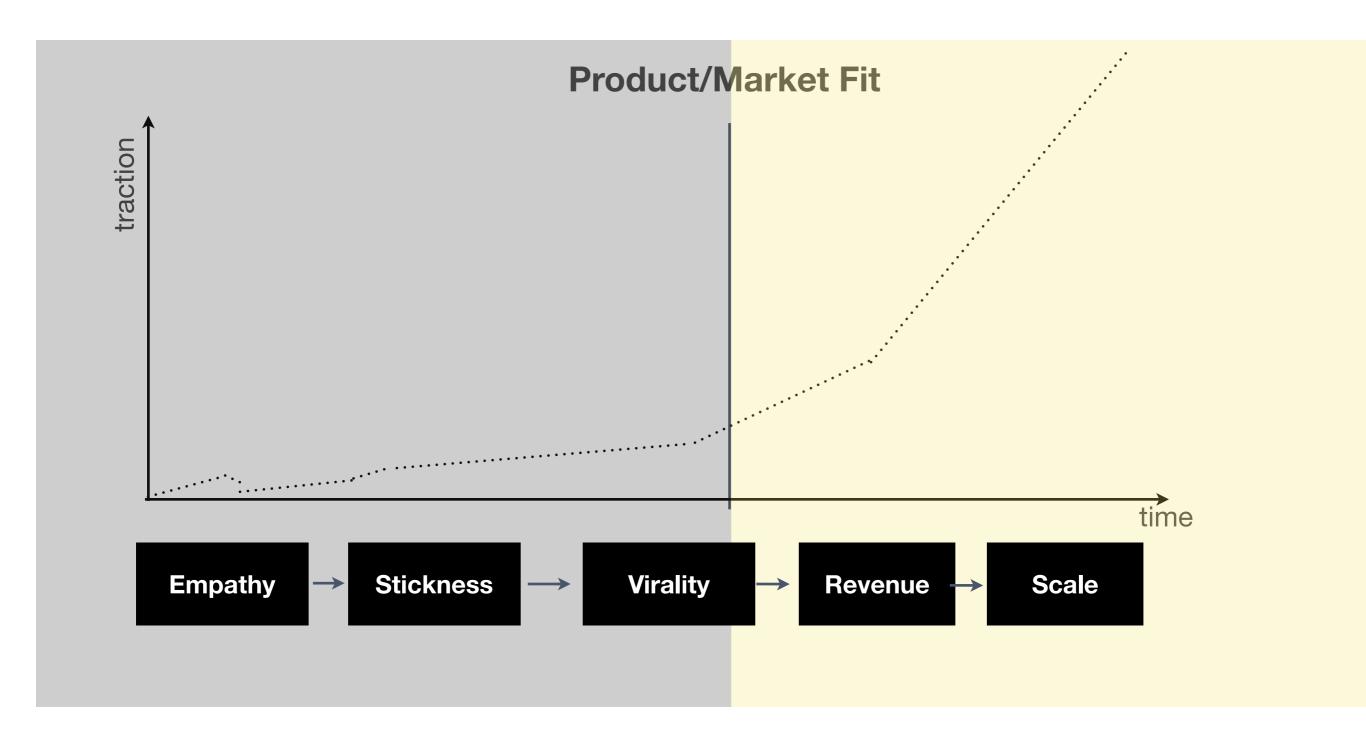
Find a product the market wants.



Find a product the market wants.

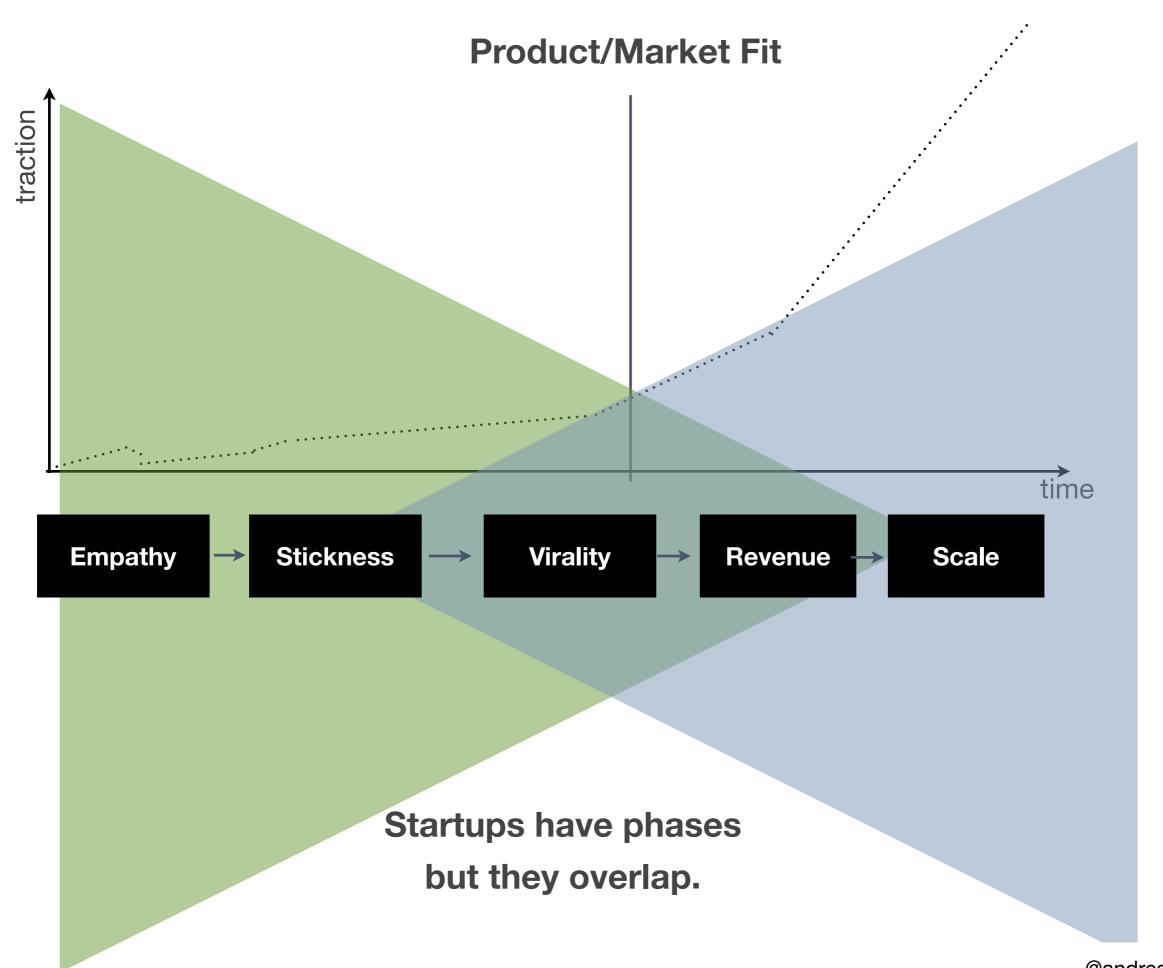
Optimise the product for the market.

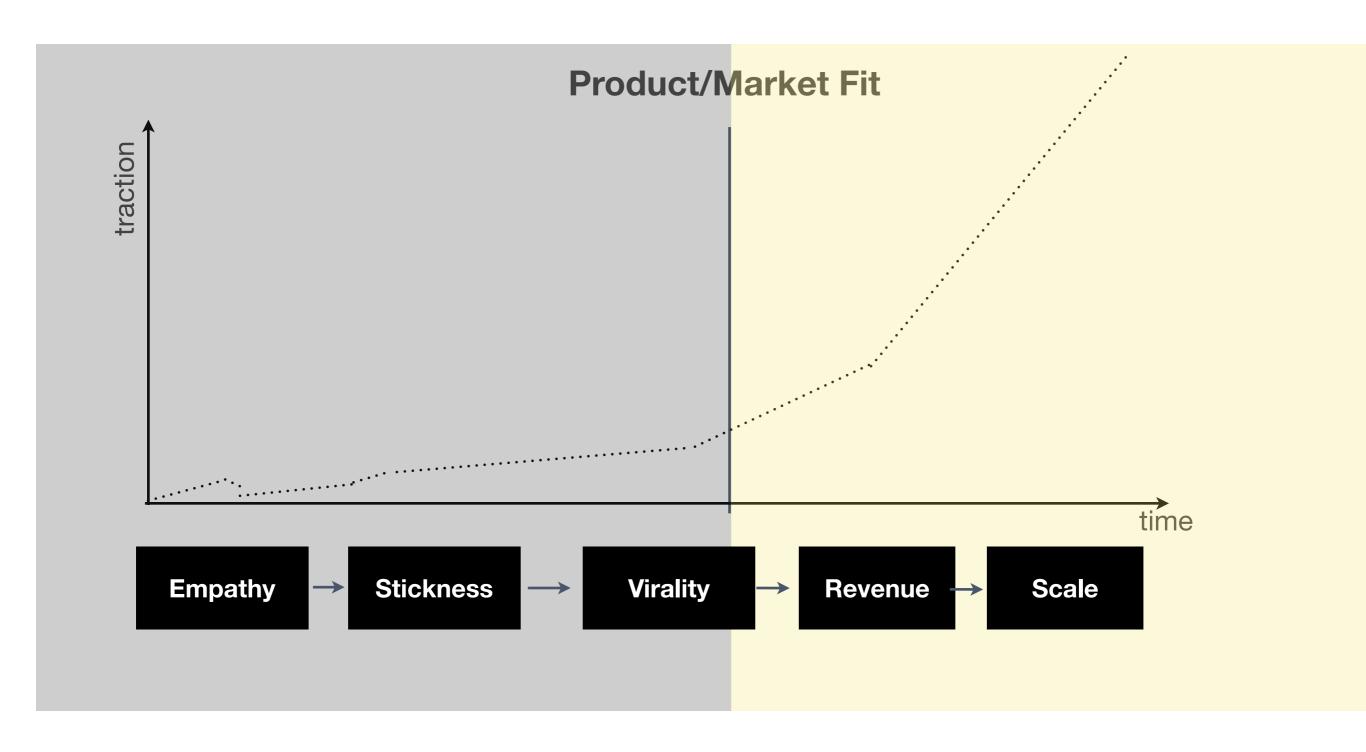




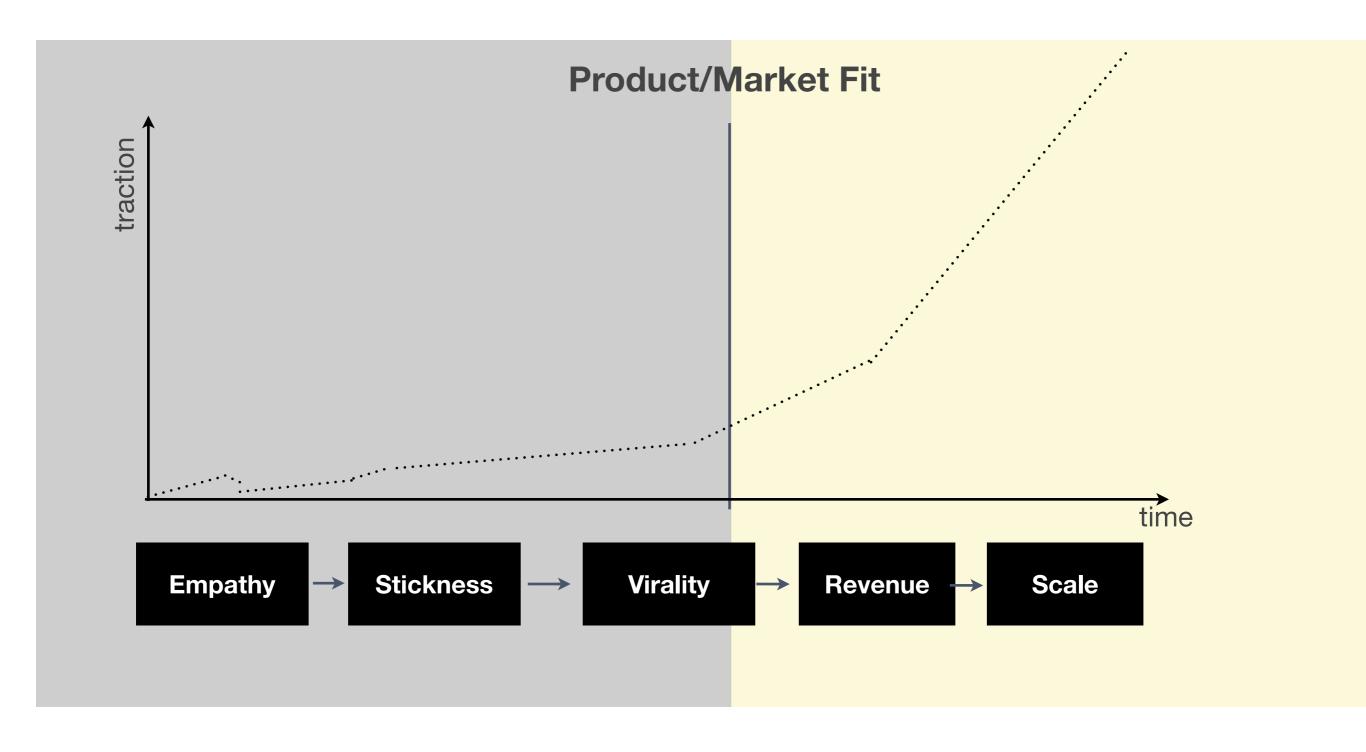
Product & Customer Development

Scale Marketing & Operations





83% of all startups are in here.



83% of all startups are in here.

Most stuff we learn about web analytics is meant for this part





THE ANATOMY OF A PERFECT LANDING PAGE

HOW DESIGN TRANSLATES TO USERS



TEN KEY LANDING PAGE FEATURES THAT DRAW IN USERS



What are we testing here?

x ea commodo aderitculpa qui

adipisicing elit. ore et dolore. xercitation.



A TESTIMONIAL!

Lorem ipsum dolor sit amet, sectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniamdolor in reprehenderit culpa qui officia deserunt mollit anim.

MORE INFORMATION

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@andreasklinger

3

THE ANATOMY OF A PERFECT LANDING PAGE

HOW DESIGN TRANSLATES TO USERS

K

TEN KEY LANDING PAGE FEATURES THAT DRAW IN USERS



What are we testing here?
Value Proposition, Communication.
Maybe Channels, Target Group.
Not the product implementation.

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ore et dolore.
xercitation.

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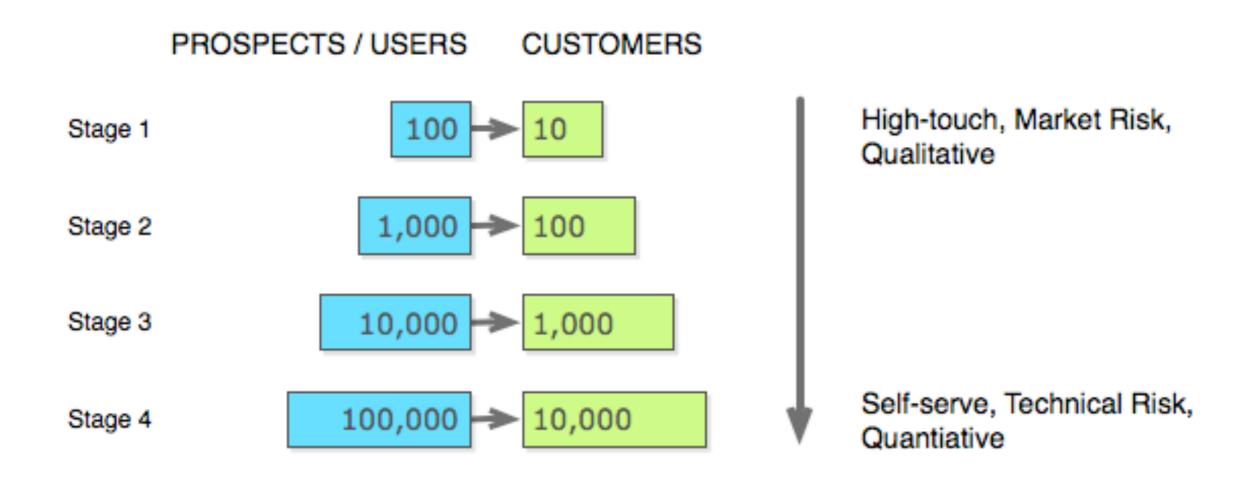
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@andreasklinger

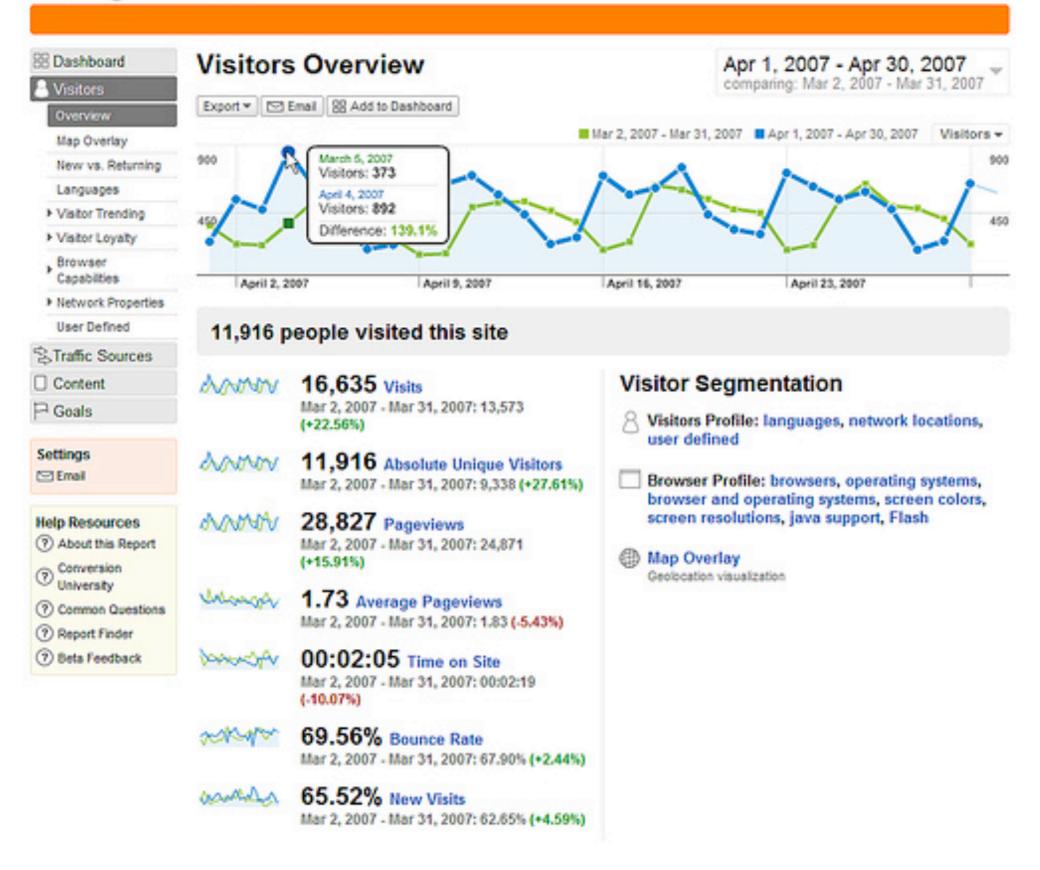




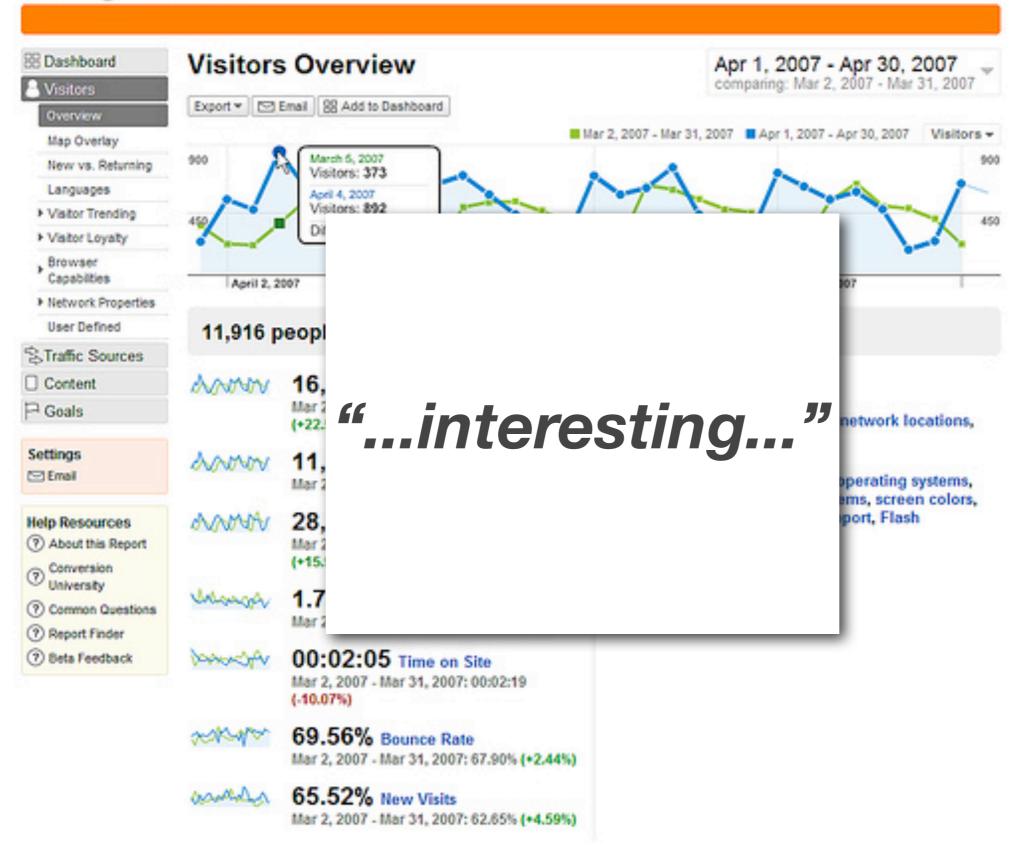
Good news: We don't need many people It's too early for optimizations.

Challenge #1: Get them to stay.

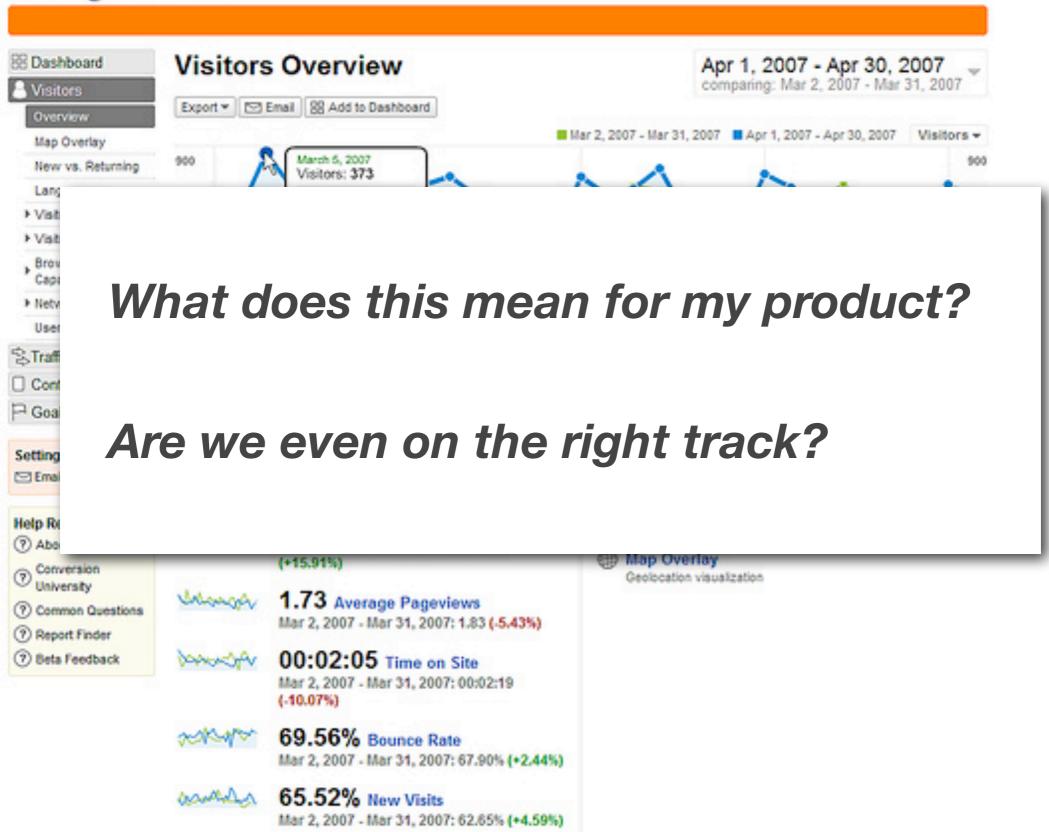




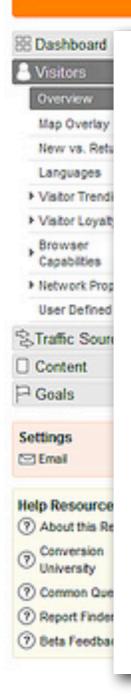












eg. What is a good Time on Site?

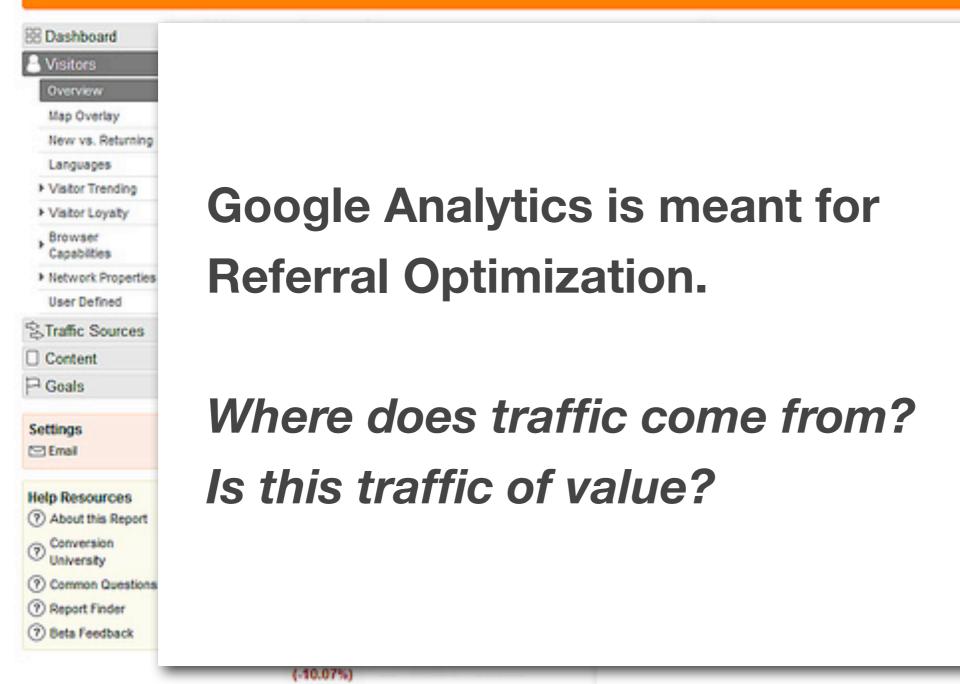
Maybe users spend time reading your support pages just because they are super confused.

(-10.07%)

69.56% Bounce Rate
Mar 2, 2007 - Mar 31, 2007: 67.90% (+2.44%)

65.52% New Visits
Mar 2, 2007 - Mar 31, 2007: 62.65% (+4.59%)





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Mar 2, 2007 - Mar 31, 2007: 67.90% (+2.44%)

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THE LONGEST TALK TIME
OF ANY 4G SMARTPHONE*
*Click for details LTE is a trademark of ETSI. DROID** LFL



4GE



SEA

HOT TOPICS APPLE FACEBOOK GOOGLE ANDROID DISRUPT NYC HACKATHON

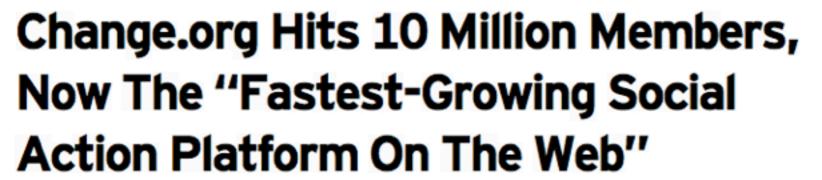
Events

Available at **verizon** ar



Comment 14 Like 543 Tweet 288







Thursday, April 5th, 2012

14 Comments

GOT A TIP? TELL US



What does it mean anyway?



rather slowly in its early years, it's on a tear now.
According to Change.org's own data, the site just
passed 10 million users and is now growing by 2
million members per month. That's quite a
difference from last October, when the site was

only growing by about 300,000 members per month. This makes Change.org the fastest-growing site of its kind.

After a few pivots (it was once a blog network, too), the site now almost exclusively focuses on petitions. As Change.org's CEO Ben Rattray told me earlier this morning, the rise of social media helped propel people's impression of what petitions can achieve forward. Not too long ago, petitions still had somewhat of a bad reputation and most people simply assumed that they didn't work. In Rattray's view, however, the rise of social media has made it clear to more people now that they can put pressure on their governments and large corporations by banding together. At the same time, of



"Click for details LTE is a trademark of ETSI. DROID™ LFL

What does it mean anyway?

"We have 50k registered users!"

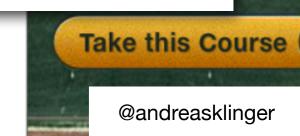
Do they still use the service? Are they the right people?

"We have 5000 newsletter signups!"

Do they react? Are they potential customers?

"We have 500k app downloads!" Do they still use the app?

petitions. As Change.org's CEO Ben Rattray told me earlier this morning, the rise of social media helped propel people's impression of what petitions can achieve forward. Not too long ago, petitions still had somewhat of a bad reputation and most people simply assumed that they didn't work. In Rattray's view, however, the rise of social media has made it clear to more people now that they can put pressure on their governments and large corporations by banding together. At the same time, of

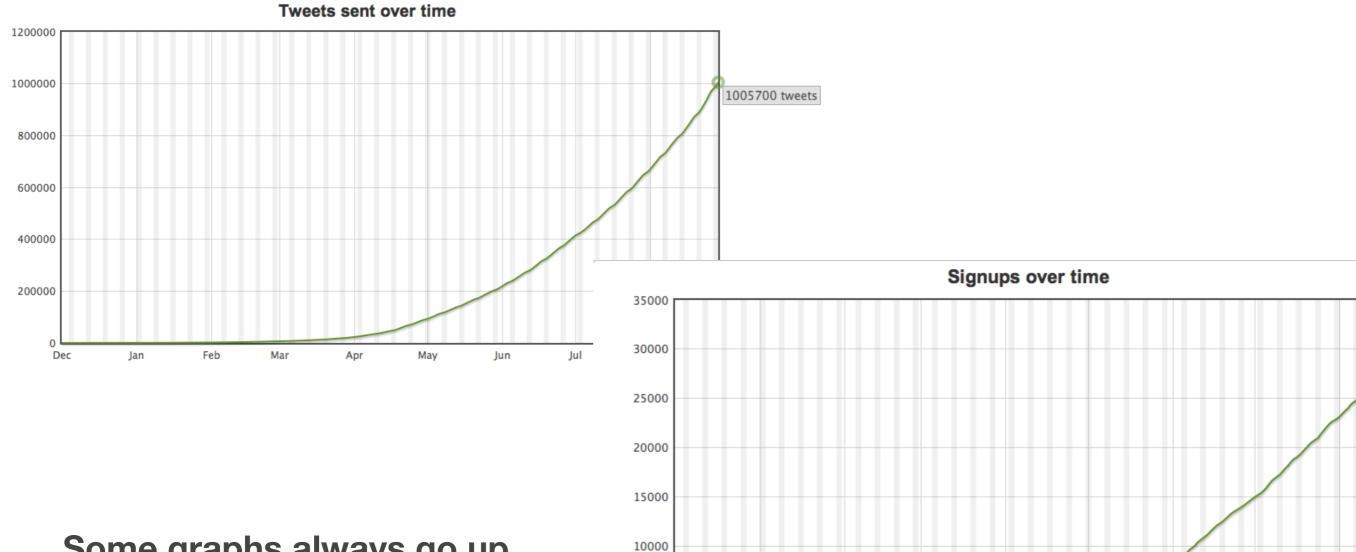


L US

Events

ram nne

Ruby



5000

Dec

Jan

Feb

Apr

May

Jun

Some graphs always go up.

Vanity. Use it for the Press. Not for your product.

Jul

Aug

It's easy to improve conversions (of the wrong people)



It's easy to improve conversions (of the wrong people)



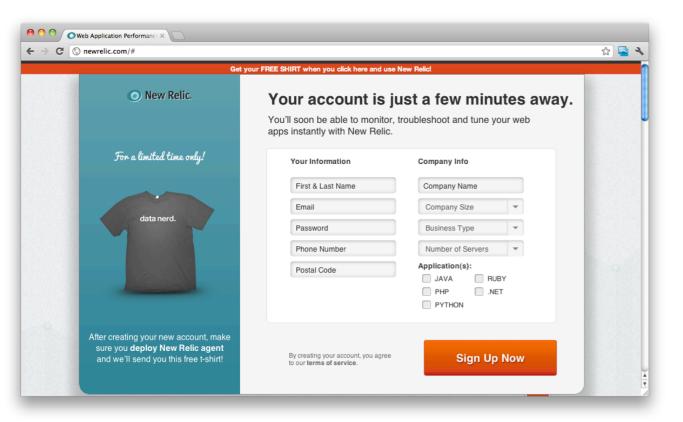






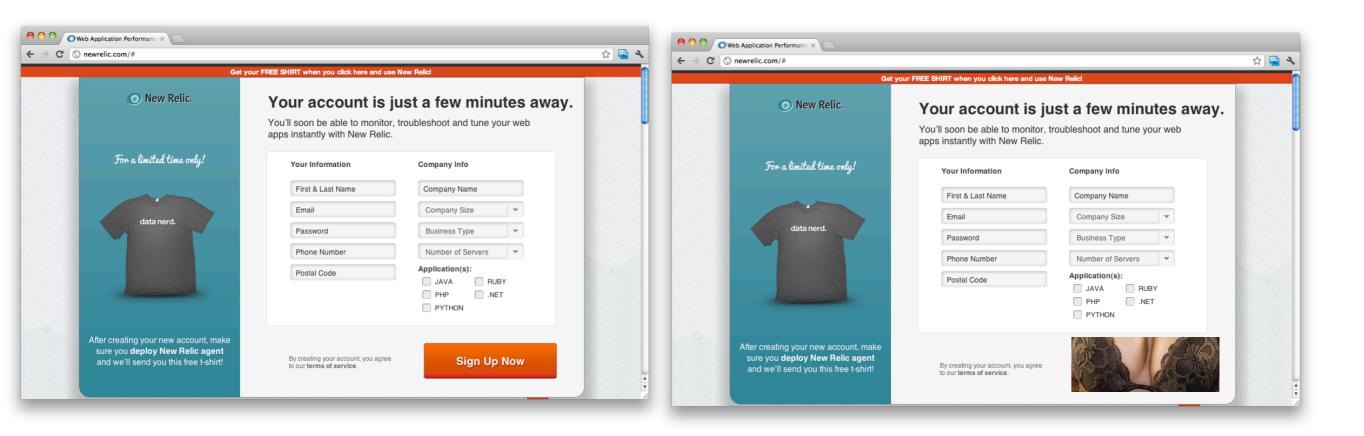
This is a real example. Thank the Internet.

The same is true for funnels. It's easy to optimize by pushing the wrong people forward.



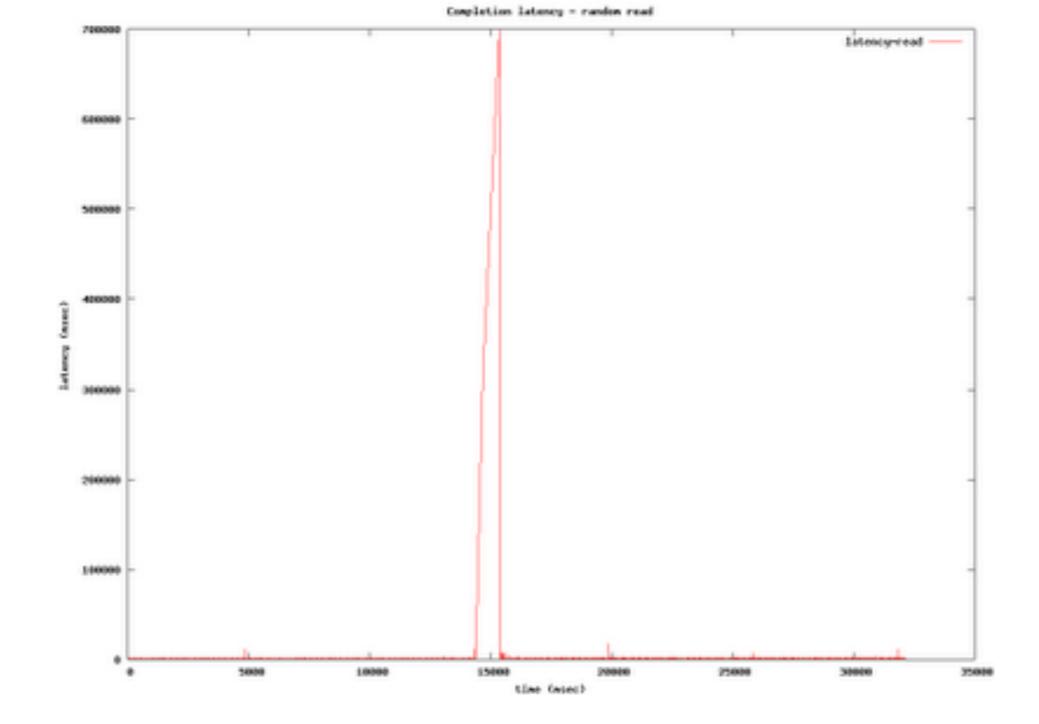
Disclaimer: this is not a real example. btw newrelic is awesome;)

The same is true for funnels. It's easy to optimize by pushing the wrong people forward.



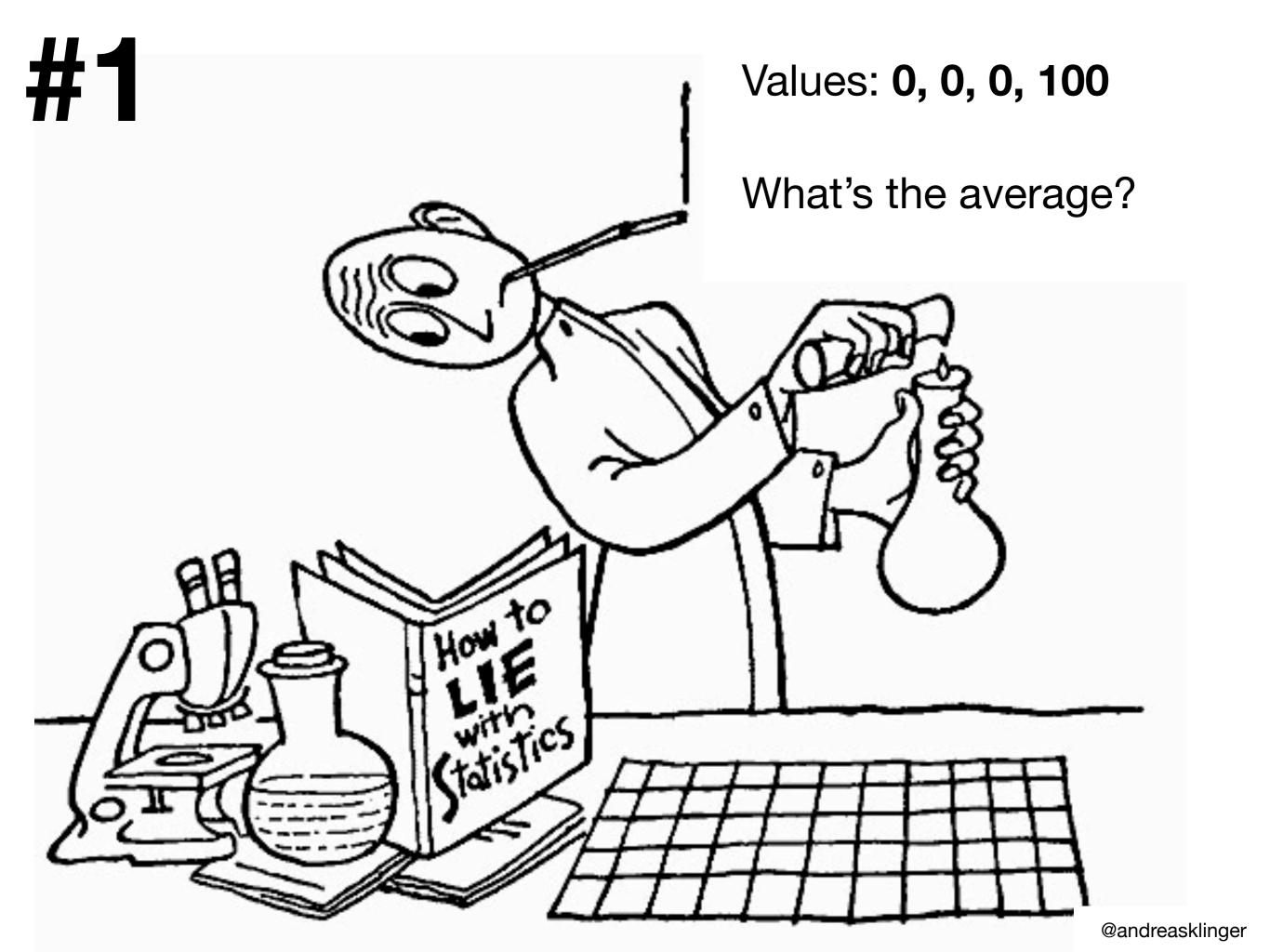
Disclaimer: this is not a real example. btw newrelic is awesome;)

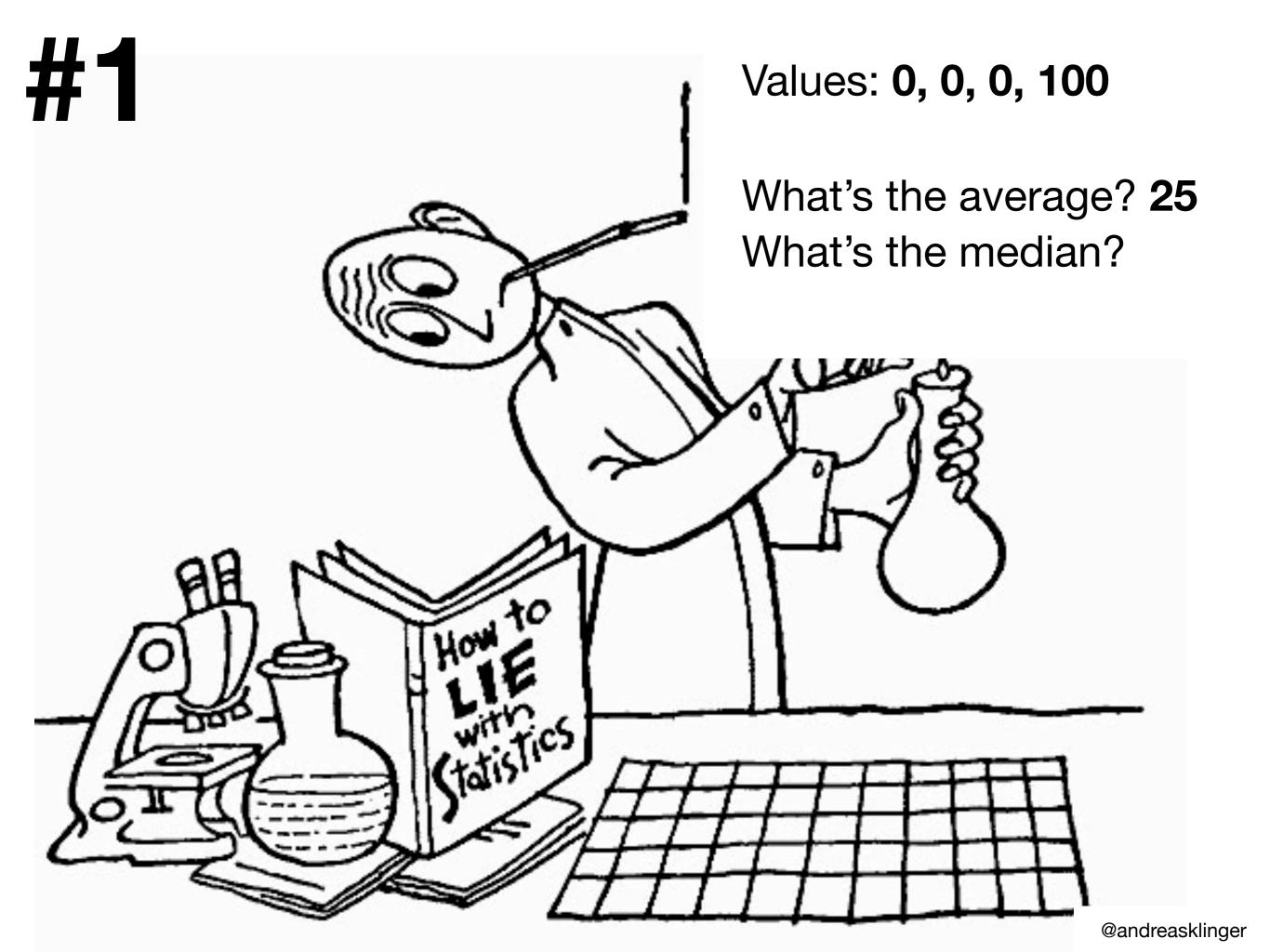
"Small Data" **Early Stage Product Metrics suck:** - We have the wrong product - With the wrong communication - Attacting the wrong targetgroup - Who provide us too few datapoints @andreasklinger

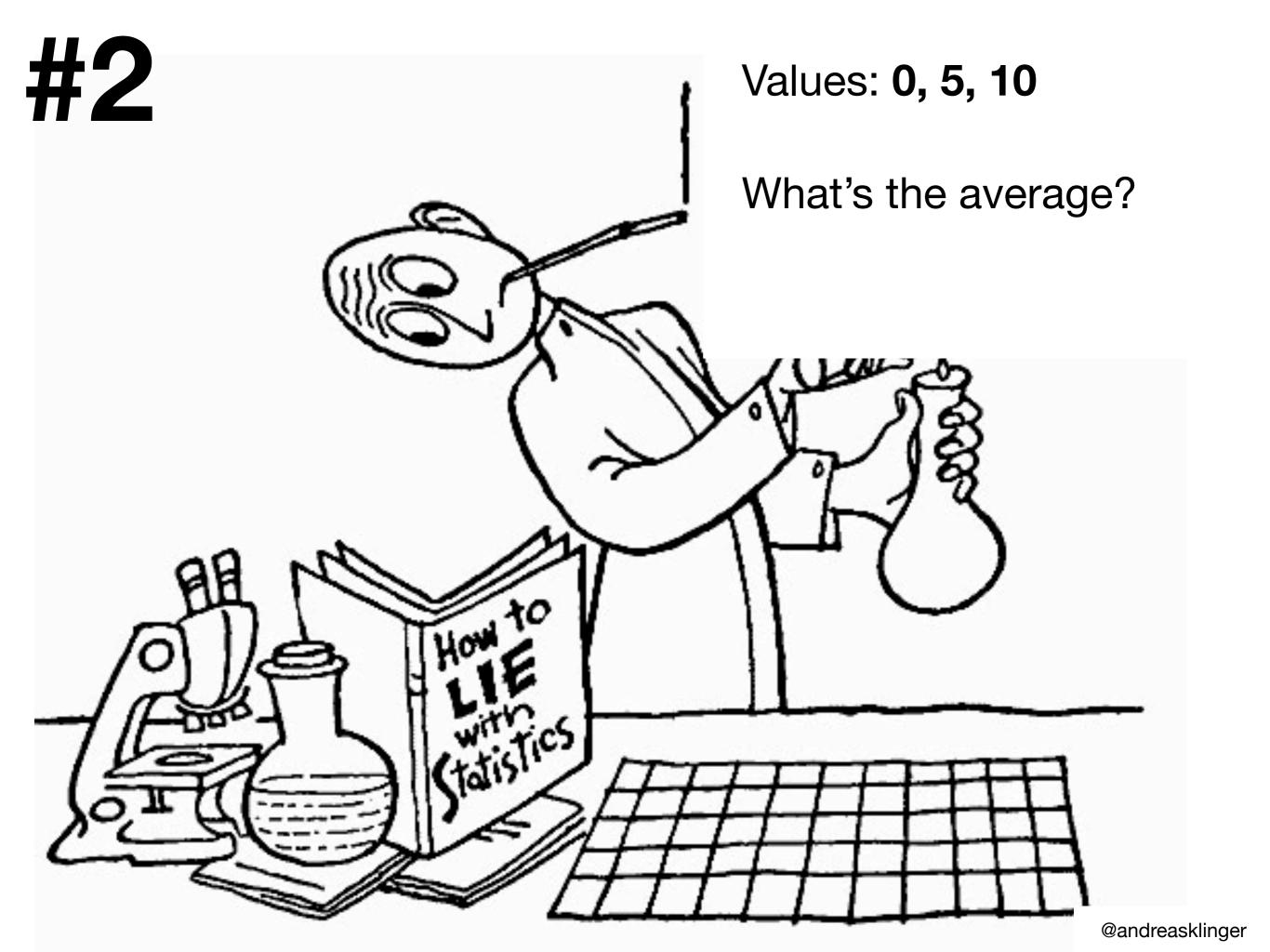


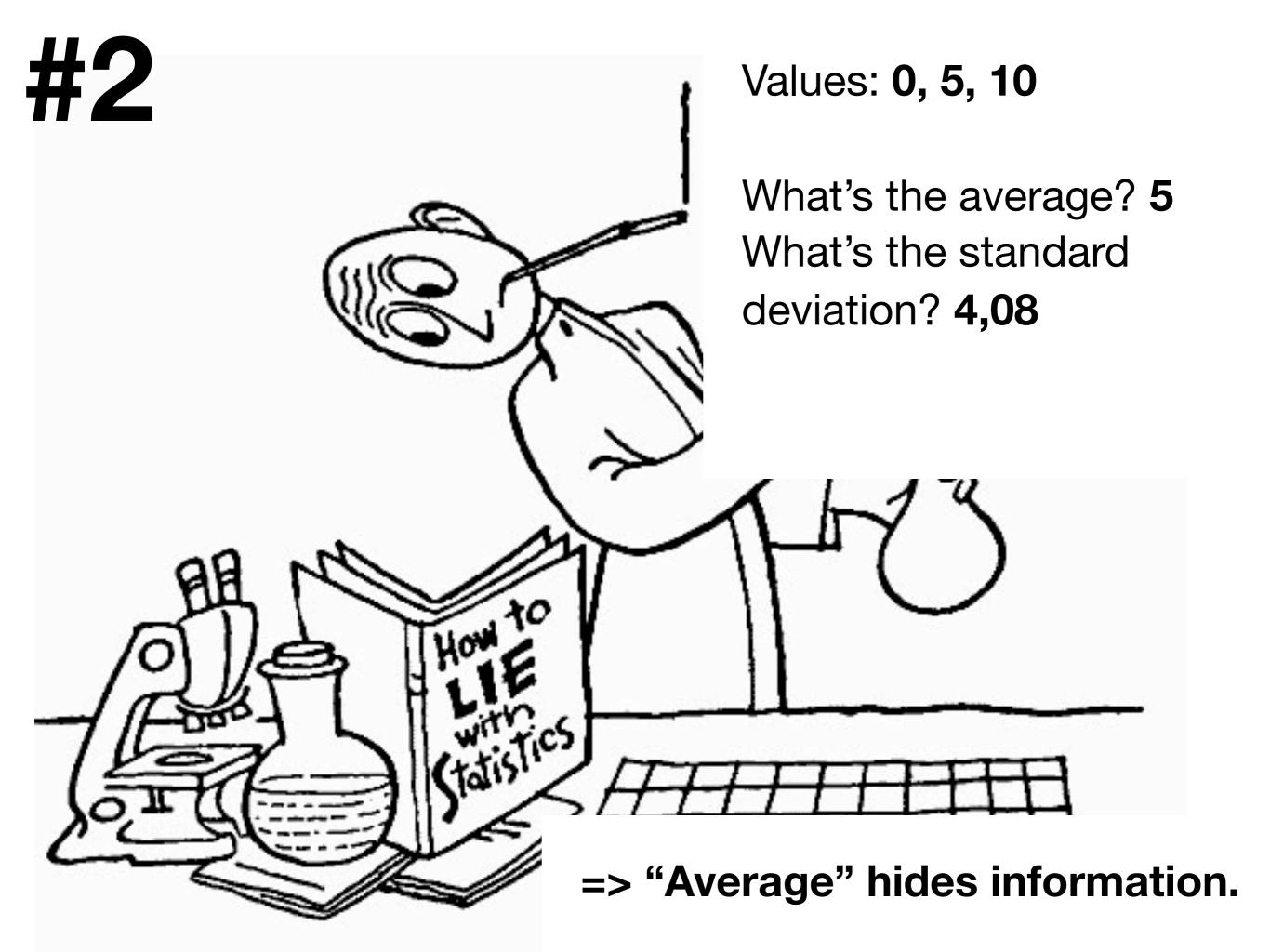
Early stage product metrics get easily affected by external traffic.

One of our main goals is to minimize that effect.

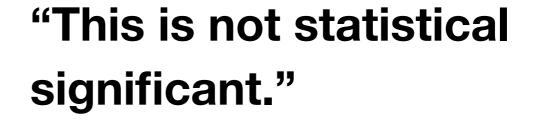








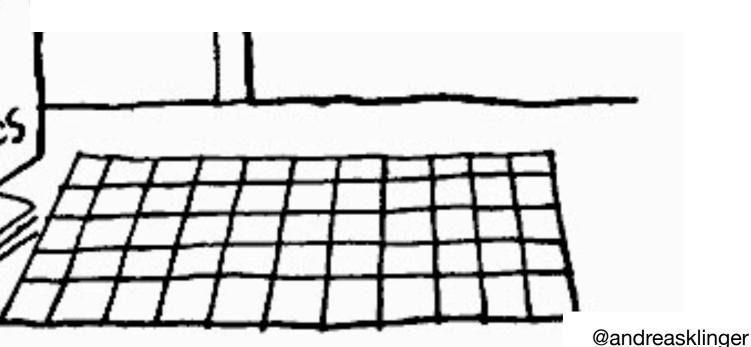
#3



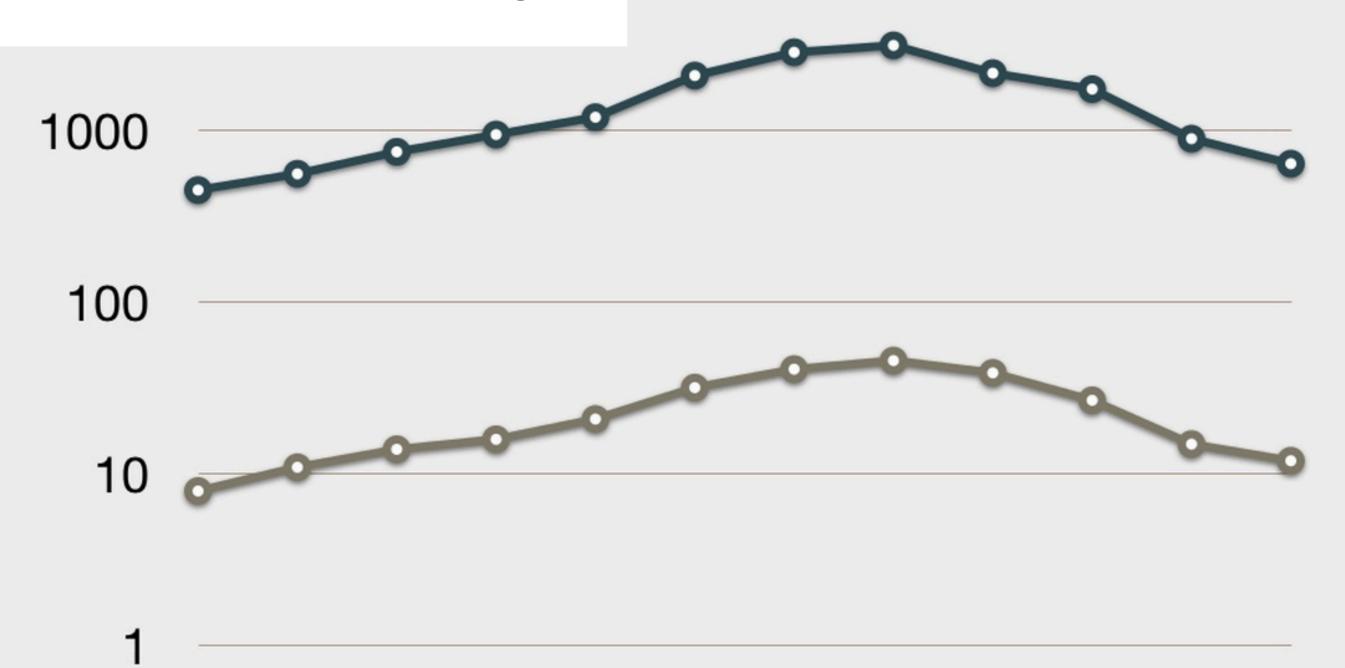
I don't care.

We are anyway playing dart in a dark room.

Let's try to get it as good as possible and use our intuation for the rest.



Correlation / Causality

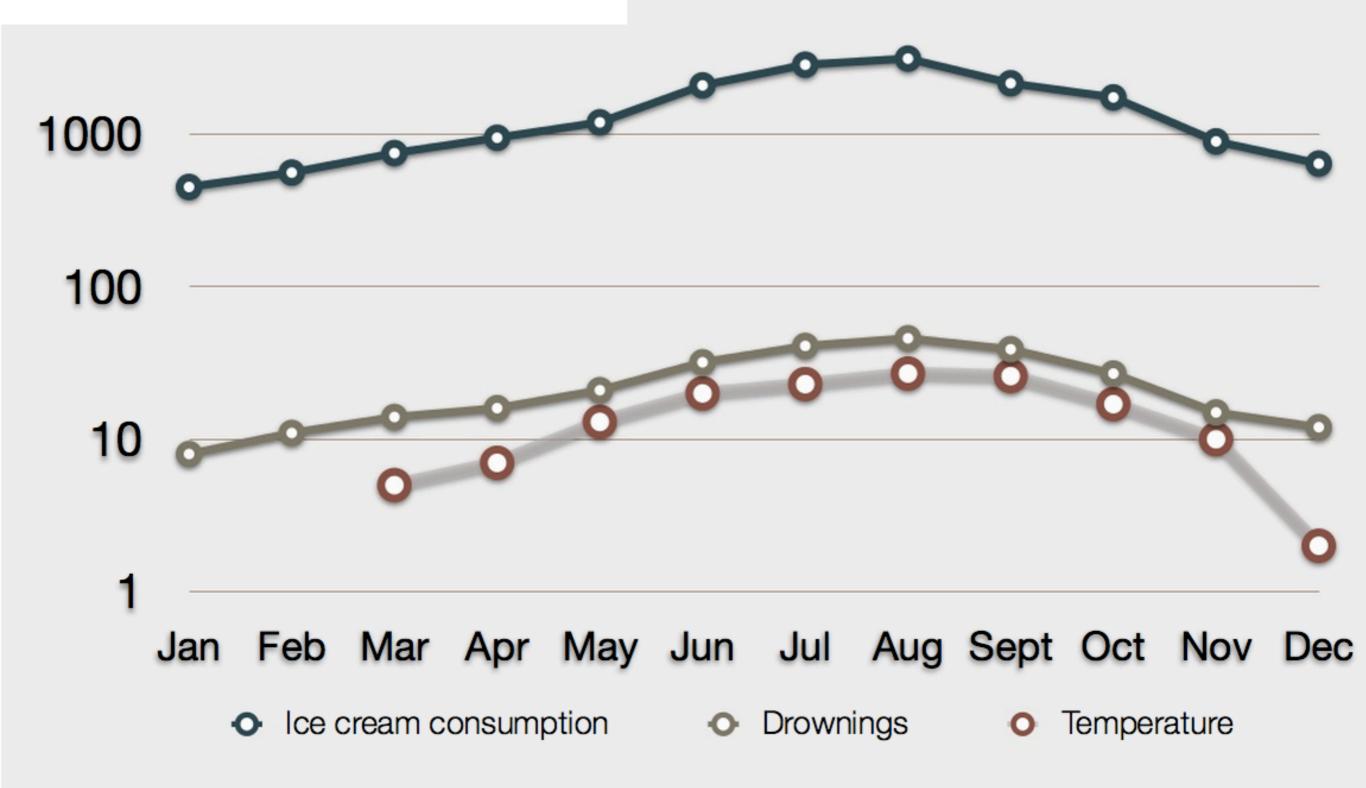


Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec

Ice cream consumption



Correlation / Causality





How can we use metrics?

To Explore (Examples)

Investigate an assumption.

Look for causalities.

Validate customer feedback.

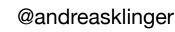
Validate internal opinions.

To Report (Examples)

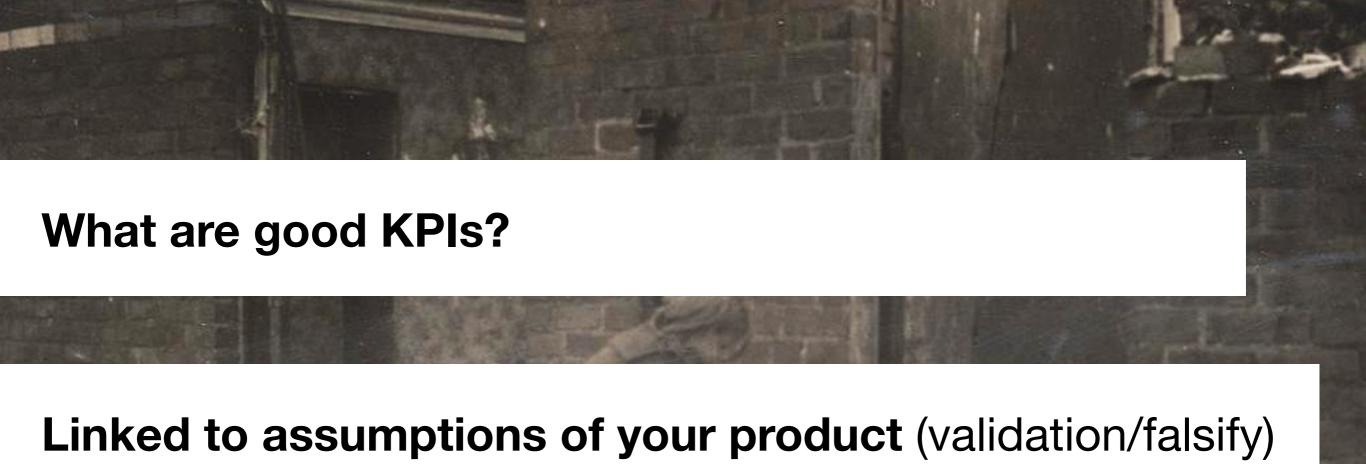
Measure Progress. (Accounting)

Measure Feature Impact.

See customer happiness/health.



Hits **Views Page Views Clicks Visits Conversions Visitors Engagement** What do i measure? **People** TL;DR: In case of doubt, people.











What are good KPIs?

Linked to assumptions of your product (validation/falsify)

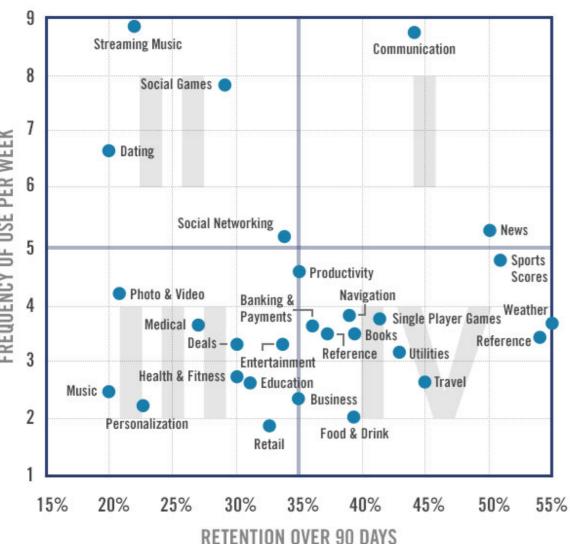
Rate or Ratio (0.X or %)

Comparable (To your history (or a/b). Forget the market)

Explainable (If you don't get it it means nothing)

"Industry Standards"







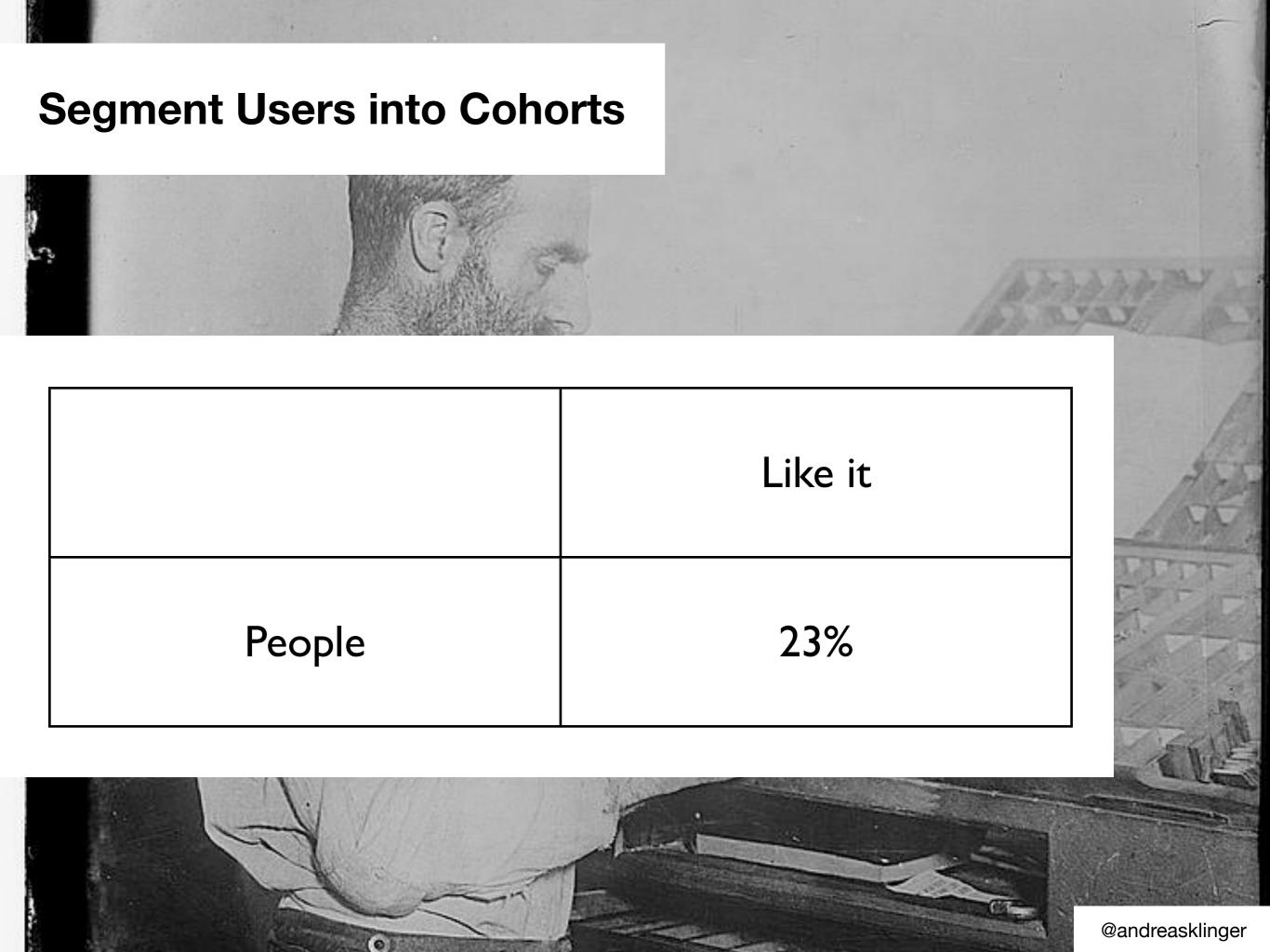
How many of your customers buy a second time in 90 days?	Then you are in this mode	Your customers will buy from you	You are just like	Focus on
1-15%	Acquisition	Once	70% of retailers	Low CAC, high checkout
15-30%	Hybrid	2-2.5 per year	20% of retailers	Increasing returns
>30%	Loyalty	>2.5 per year	10% of retailers	Loyalty, inventory expansion

Use industry averages as reality check. Not as benchmark.

- Usually very hard to get.
- Everyone defines stuff different.
- You might end up with another business model anyway.
- Compare yourself vs your history data.







Segment Users into Cohorts

	Like it	
People 0-25	3%	
People 26-50	4%	
People 51-75	65%	

Segment Users into Cohorts

	Average Spending		
Jan	€5		
Feb	€4.5		
Mar	€5		
Apr	€4.25		
May	€4.5		
•••	•••		

Averages can hide patterns.

Segment Users into Cohorts

Month Lifecycle

Registration Month	I	2	3	4	5
Jan	€5	€3	€2	€I	€0.5
Feb	€6	€4	€2	€I	
Mar	€7	€6	€5		
Apr	€8	€7			
May	€9				
•••	•••				

Insight: Users spend less over time in average.

We still don't know if they spend less, or if less people spend at all.





Acquisition

Visit / Signup / etc

Activation

Use of core feature

Retention

Come + use again

Referral

Invite + Signup

Revenue

\$\$\$ Earned

Example: Blossom.io

Kanban Project Mangement Tool

(people who) registered an account

Acquisition

created a card

Activation

moved a card

Retention

invited team members

Referral

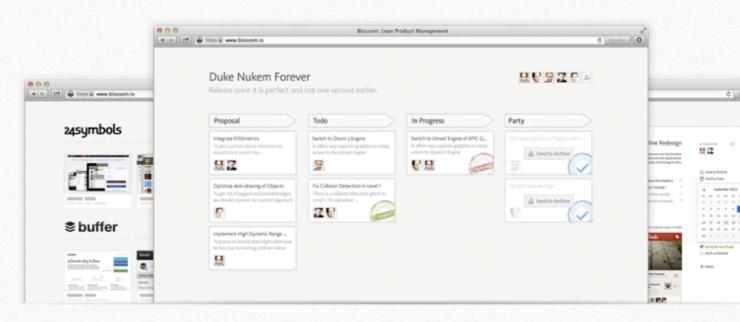
have upgraded

Revenue



blossom Plans & Pricing What's new

The ideal Collaboration and Organization Tool for Startups that ship early & often.



Plans & Pricing

☑ Get in Touch 🄀 S

Example: Photoapp

(people who) registered an account Acquisition

created first photo

Activation

opened app twice in perioid

Retention

en your eyes

f Sign in with Facebook

Learn more or check out the free app

places & things you love, with every photo you take.

Sign up

PULAR

shared photo to fb

Referral

??? (exit?)

Revenue



"A beautiful simple interface makes some powerful behind-the-scene technology easy to understand for









f LIKE | LOGIN → =

Example: Photoapp

ARRR

acquisition	activation	retention	referral	revenue
registration	first photo	twice a month	share	• • •
8750 ₩	8750 65%		9%	

Example: Photoapp

Cohorts based on registration week AARRR

WK	acquisition	activation	retention	referral	revenue
Photoapp	registration	first photo	twice a month	share	• • •
I	400	62,5%	25%	10%	
2	575 ₩	65%	23%	9%	
3	350	64%	26%	4%	
• • •	•••	•••	• • •	•••	

Visit / Signup / etc

Activation

Use of core feature

Which Metrics to focus on?

n

Come + use again

Referral

Invite + Signup

Revenue

Visit / Signup / etc

Activation

Use of core feature

Short Answer:

Focus on Retention

Retention

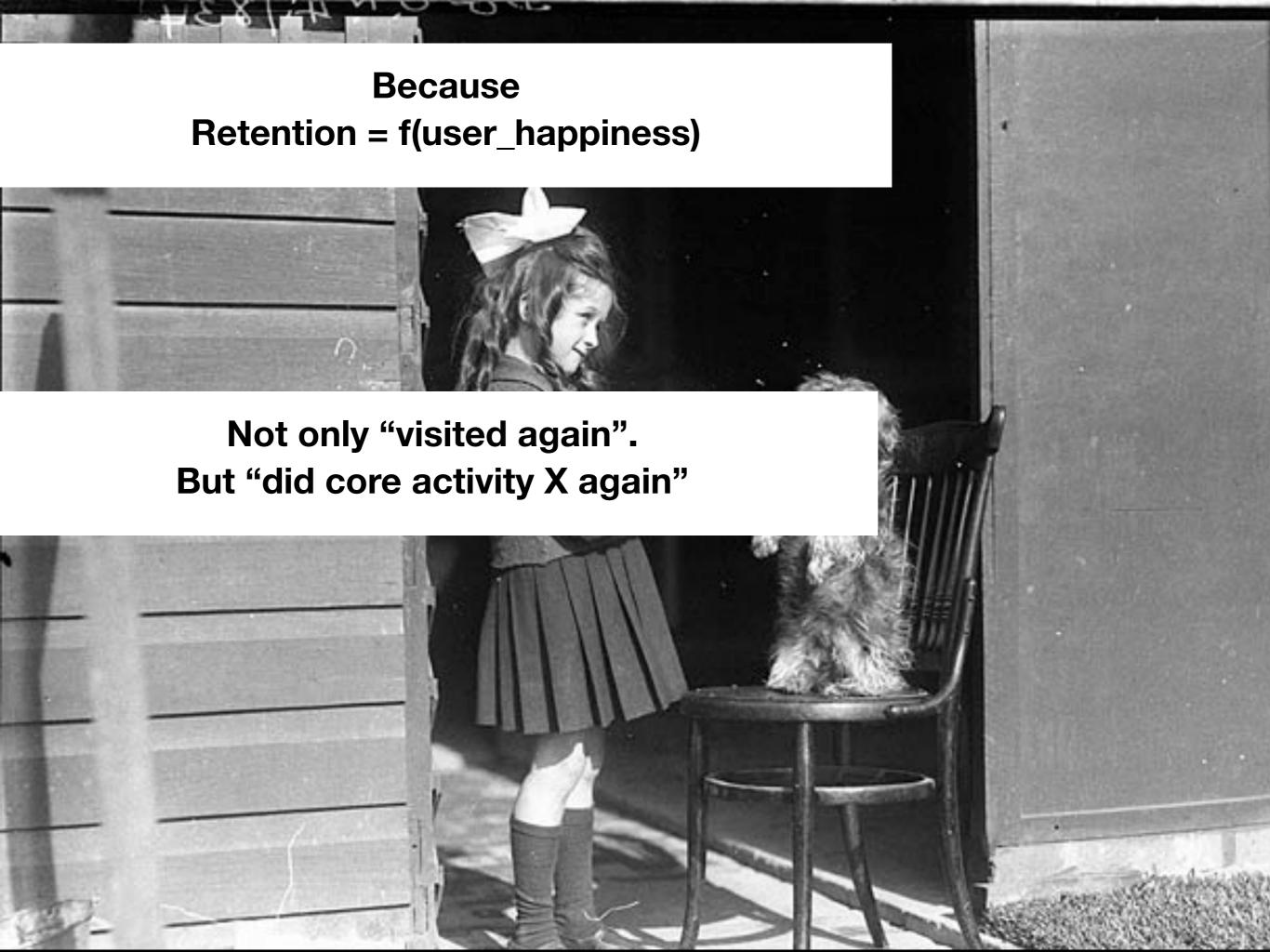
Come + use again

Referral

Invite + Signup

Revenue





Visit / Signup / etc

Activation

Use of core feature

Long answer - It depends on two things:

Come + use again

Phase of company

Type of Product

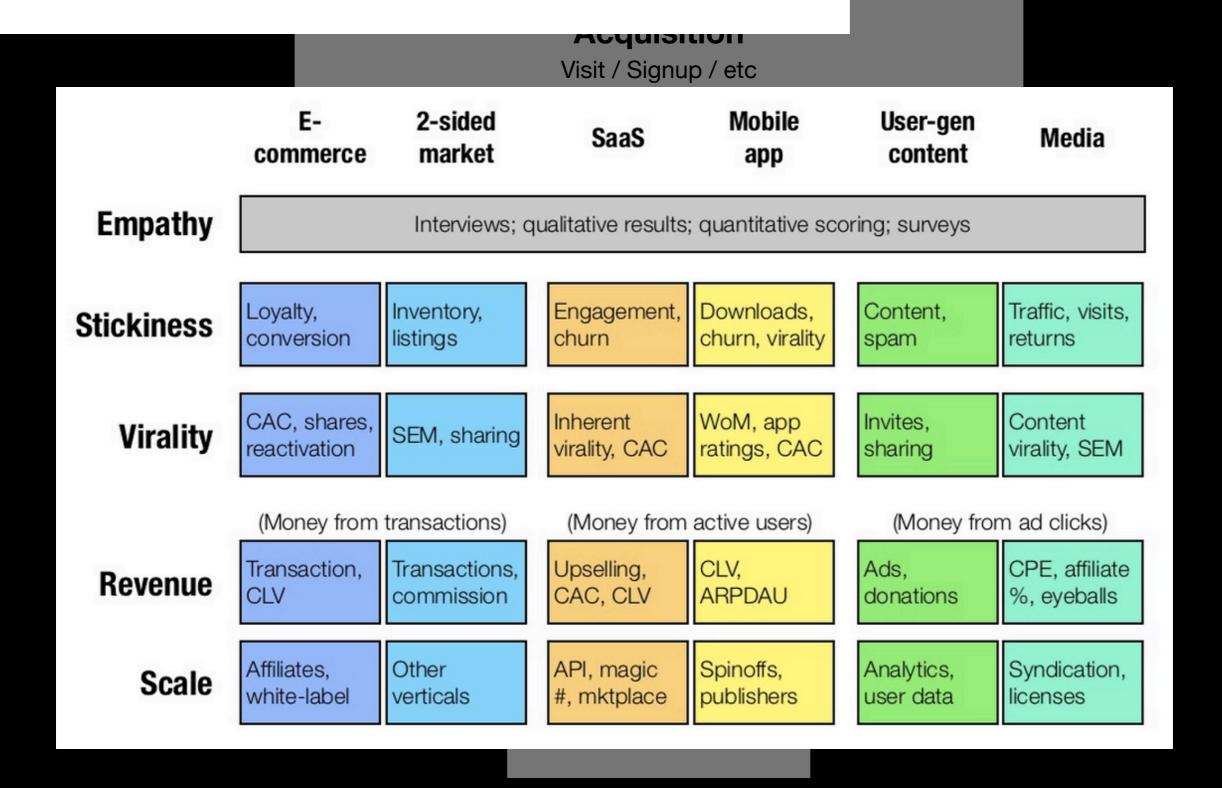
Engine of Growth

Referral

Invite + Signup

Revenue

#1 Phase



#2 Engine of Growth





Paid

Make more money on a customer than you spend, to buy new ones. Eg. Saas

Viral

A Users brings more than one new user. Eg. typical interactive ad-campaigns

Sticky

Keep your userbase to improve your quality. Eg. Communities

Revenue \$\$\$ Earned

#2 Type of Company (linked to Engine of Growth)

Saas
Build a better product

Social Network/Community "(subjective) Critical Mass"

MarketplaceGet the right sellers

and many more...

isit / Signu **Activat** use of core Retent ome + use Refer Invite + Si



Visit / Signup / etc

Activation

Use of core feature

Short Answer:

Focus on Retention

Retention

Come + use again

Referral

Invite + Signup

Revenue

	Up →	Retain	ed					
Jun 24 – 30 Retention Funnel		Retention Interval Chart		Engagement Score Chart				
Weekly Cohort	People	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
22 Apr	1079	19.6%	13.2%	10.0%	8.2%	7.5%	5.3%	5.7%
29 Apr	1027	19.9%	13.1%	10.1%	8.1%	6.3%	5.1%	4.8%
06 May	1253	18.9%	12.3%	10.0%	8.7%	6.1%	4.2%	4.6%
13 May	1087	19.0%	12.5%	11.1%	6.9%	5.1%	4.0%	3.9%
20 May	1065	18.8%	13.1%	9.3%	6.9%	5.1%	4.6%	4.8%
27 May	1019	18.3%	9.7%	8.5%	4.8%	5.5%	4.5%	4.4%
03 Jun	1082	18.7%	12.5%	8.0%	7.0%	6.0%	5.2%	4.3%
10 Jun	946	17.1%	11.2%	9.170	7.0%	5.2%	3.9%	486
17 Jun	839	16.9%	15 70	8. A	E NE	W FEA	TURES	-
24 Jun	1000	18.9%	14.2%	INCE	FASIN	G RET	ENTIO	N? 🥒
01 Jul	935	19.9%	11.1%	8.7%	2.1%			100
08 Jul	1094	20.7%	13.3%	3.7%				-
15 Jul	1070	17.8%	3.8%	-	_	-	-	
22 Jul	947	5.9%	-	-	-	-	-	-
29 Jul	563	-	_	_	_	_	_	_

Retention Matrix

Stickness over lifetime.

Source: www.usercycle.com

Visit / Signup / etc

Activation

Use of core feature

Short Answer:

Focus on Retention

Retention

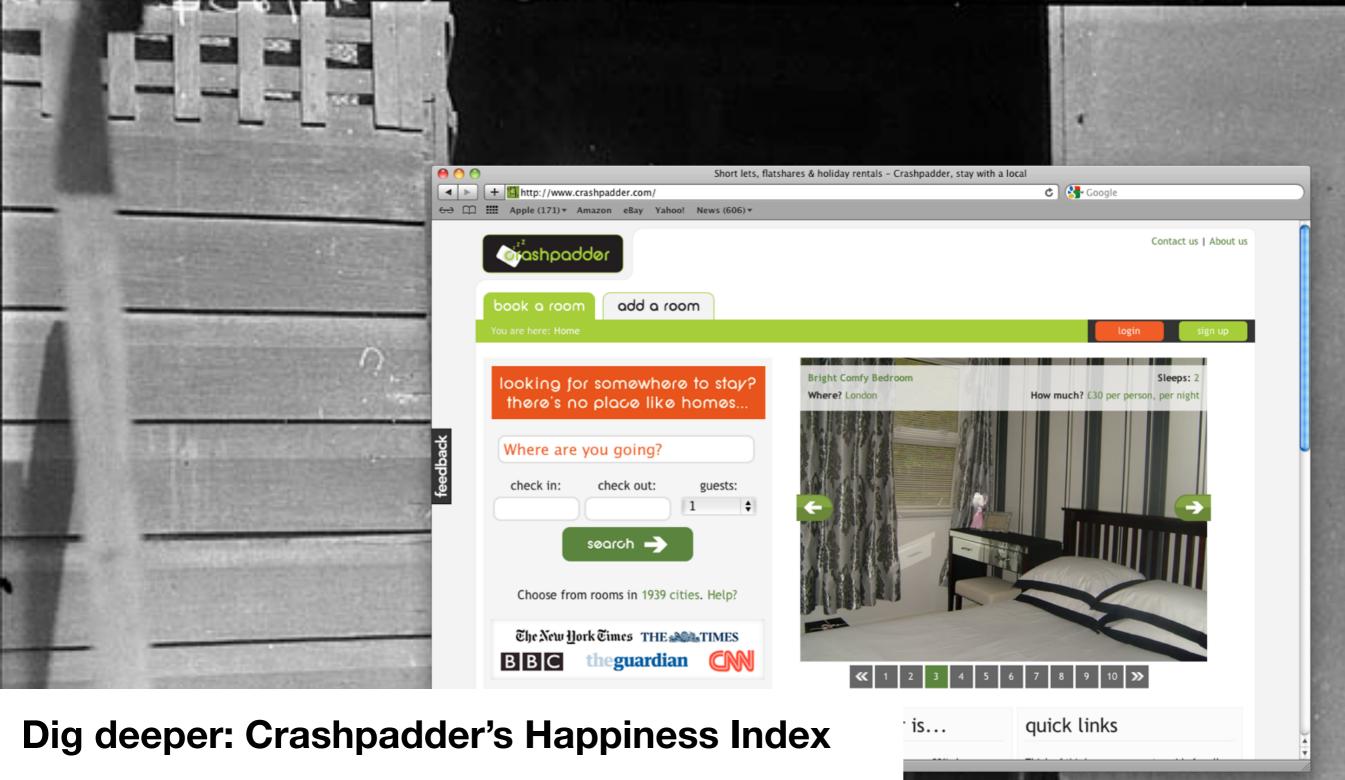
Come + use again

Eg. Did core-action X times in period.

Referral

Invite + Signup

Revenue



e.g. Weighted sum over core activities by hosts. Cohorts by cities and time.

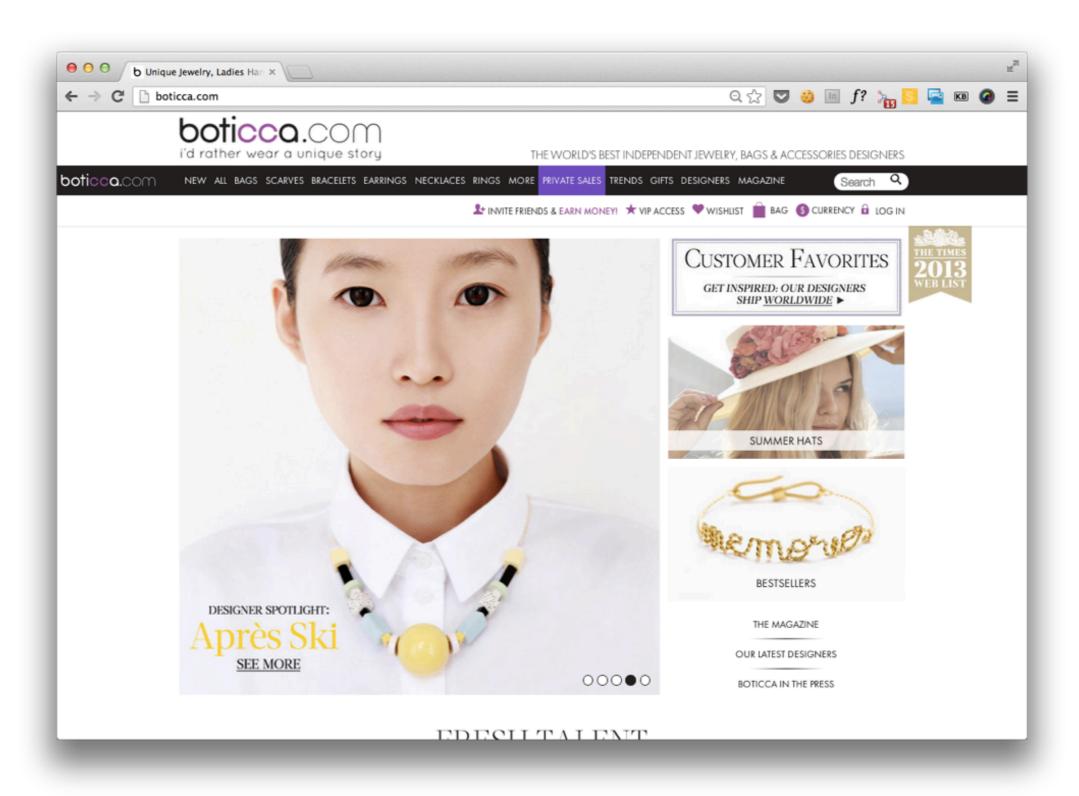
= Health/Happiness Dashboard



Marketplaces / 2-sided models



Marketplaces / 2-sided models



Marketplaces / 2-sided models

Amazon Approach:

- 1) Create loads of inventory for longtail search
- 2) Create demand
- 3) Have shitloads of money.
- 4) Wait and win.

Boticca (aka Startup) Approach:

- Focus on one niche Targetgroup
- 2) Create "enough" inventory with very few sellers
- 3) Create demand
- 4) Create more demand
- 5) Add a few more sellers. Repeat. Pray.

How to solve the Chicken and Egg Problem TL;DR:

You need very few but very good and happy chickens to get a lot of eggs.

Btw: If the chickens don't come by themselves, buy them. Uber paid 30\$/h to the first drivers. Ignore the "minor chickens", they come anyway.



Example Mobile App: Pusher2000

Trainer2peer pressure sport app (prelaunch "beta").

Rev channel: Trainers pay monthly fee.

Two sided => Segment AARRR for both sides (trainer/user)

Marketplace => Value = Transactions / Supplier

Social Software => DAU/MAU to see if activated users stay active

Chicken/Egg => You need a few very happy chickens for loads of eggs.

Activated User: More than two training sessions

Week/Week retention to see if public launch makes sense

Optimize retention: Interviews with Users that left

Measure Trainer Happiness Index

Pushups / User / Week to see if the core assumption (People will do more pushups) is valid



Groupwork

- What stage are you in?

Empathy

Stickness

Virality

Revenue

Scale





Groupwork

- Define your AARRR Metrics!

Acquisition, Activation, Retention, Referral, Revenue One KPI each. (e.g. User who xxxx)





Groupwork

- What's your current core metric.





Show & Tell.











Have two dashboards (example bufferApp):

A actionable board to work on your product (eg. % people buffering tweets in week 2)

A vanity board one to show to investors and tell to the press (eg. total amount of tweets buffered)





Example: Garmz/LOOKK

Great Numbers:

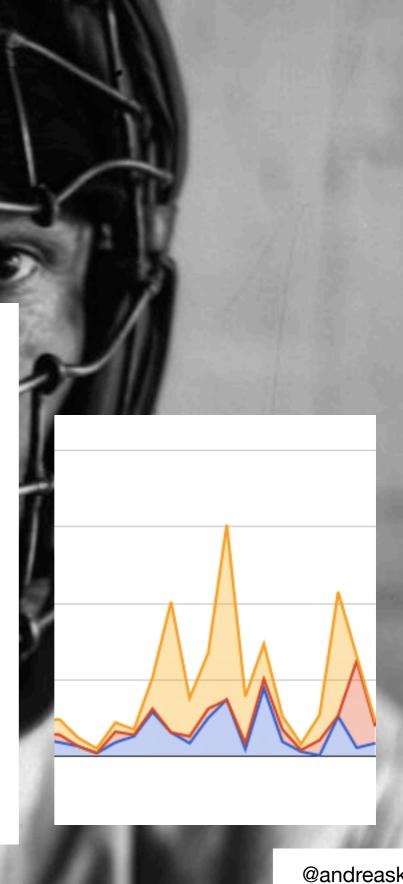
90% activation (activation = vote)

But they only voted for friends instead of actually using the platform.

We drilled (not far) deeper:

Activation = Vote for 2 different designers. Boom. Pain.

Metrics need to hurt.



Let's talk cash.

Let's talk cash: Life Time Value (LTV)

Life Time = 1/Churn

Eg. 1 / 0.08 = 12.5 months

Average Revenue Per User (ARPU)

= Revenue / Amount of Users

Eg. 20.000€ / 1500 = 13.33€

LTV = ARPU * LifeTime

= 13.33€ * 12.5 = 166.6666

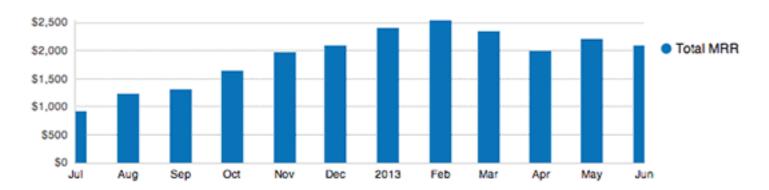
Let's talk cash: Customer Acquisition Costs

CAC = Total Acquisition Costs this month / New Customers this month

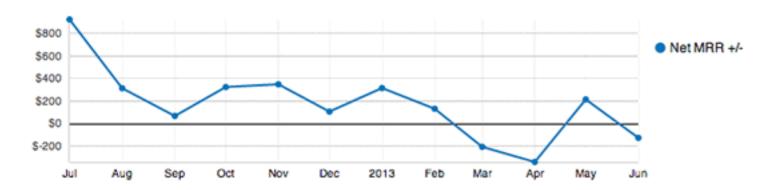
Goal:

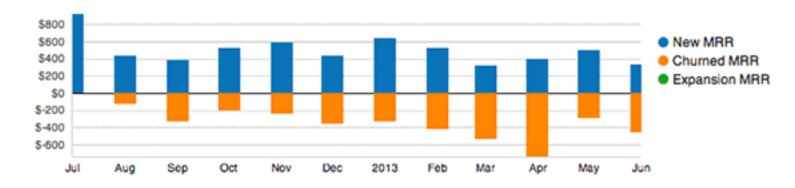
CAC < LTV even better: 2-3xCAC < LTV

Monthly Recurring Revenue (MRR)



Net Change in Monthly Recurring Revenue





Monthly Churn



Monitor Revenue

MRR

Monthly Recurring Revenue

Revenue Churn & Qty Churn

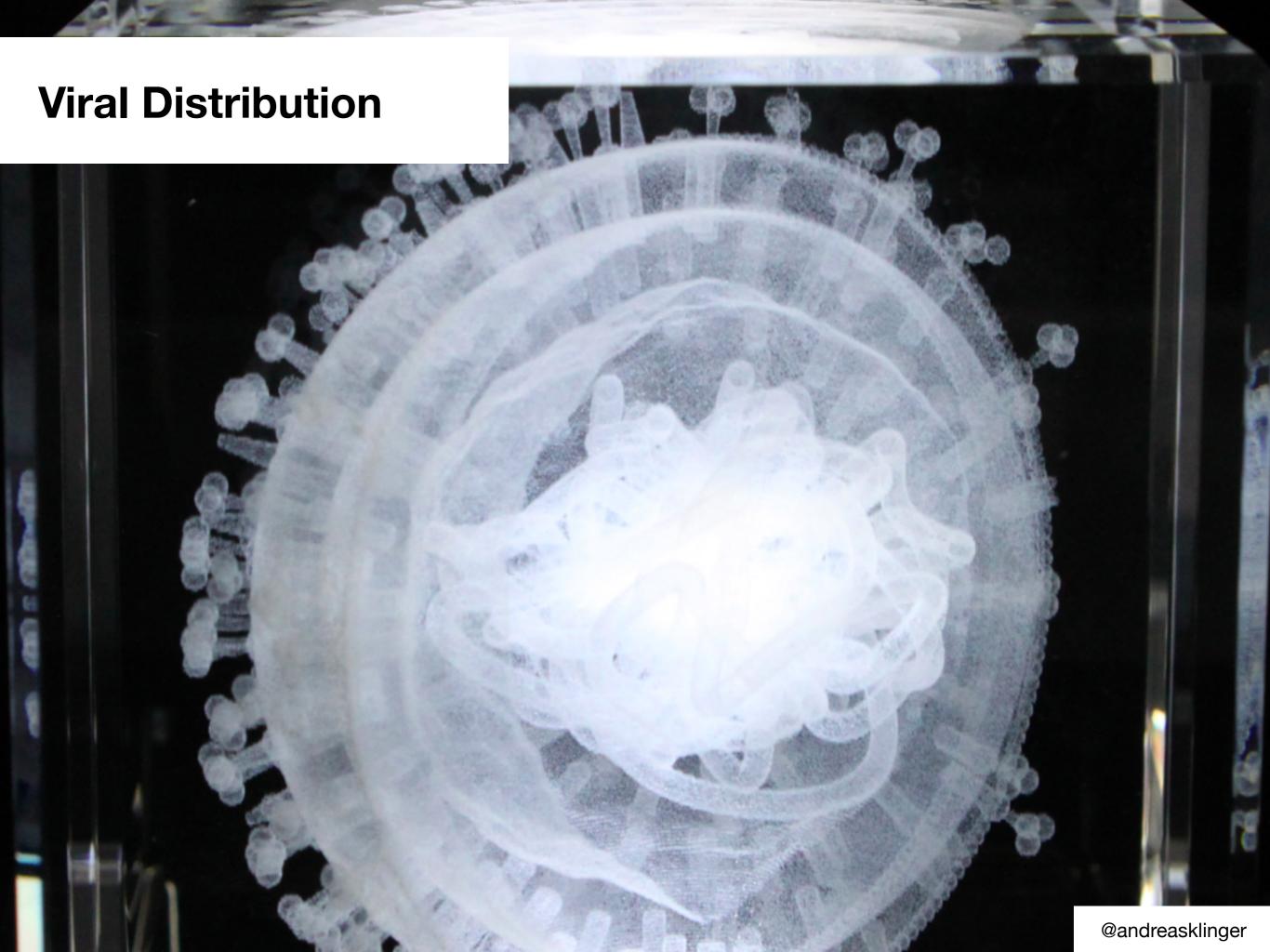
Source: www.usercycle.com

But how to make more money?



Big wins are often cheap.

```
Spend Less — likely not worth it
    More customers
          Charge more
easy (do it!)
```



Viral Distribution

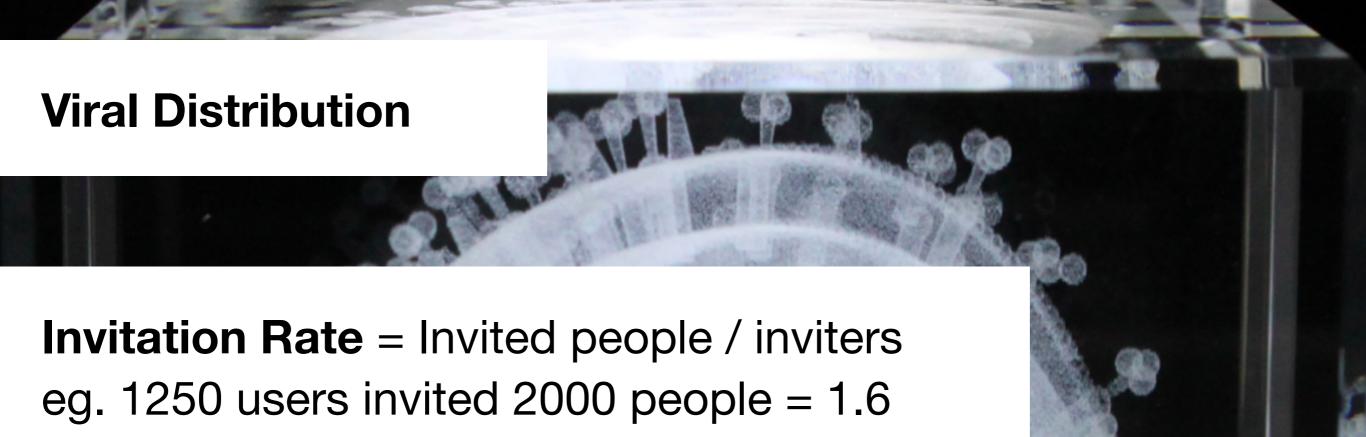
3 kinds of virality

Product Inherent
A function of use. Eg. Dropbox sharing

Product Artificial
Added to support behaviour. E.g.
Reward systems

Word of Mouth Function of customer satisfaction.

Source: Lean Analytics



Acceptance Rate = Invited Signed-up / Invited total eg. out of the 2000 people 580 signed up = 0.29

Viral Coefficient = Invitation Rate * Acceptance Rate eg. 1.6 * 0.29 = 0.464 (every customer will bring half a customer additionally)



Important #1:

Unless your Growth Engine is Viral, don't focus early on Viral Factors. Focus on retention/stickyness.

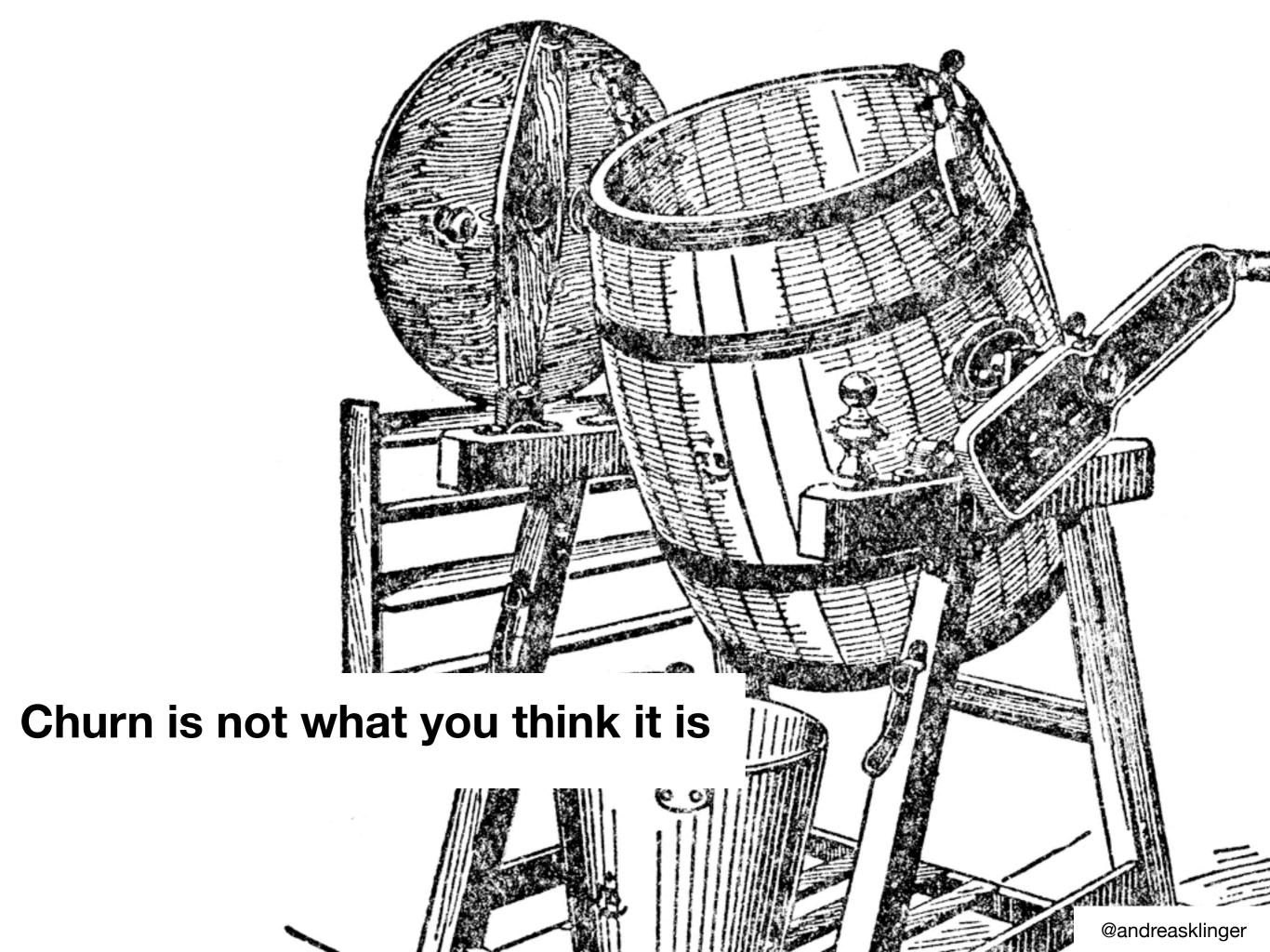
Important #2: Viral Cycle Time (time between recvinvite and sending invite) is extremely important.

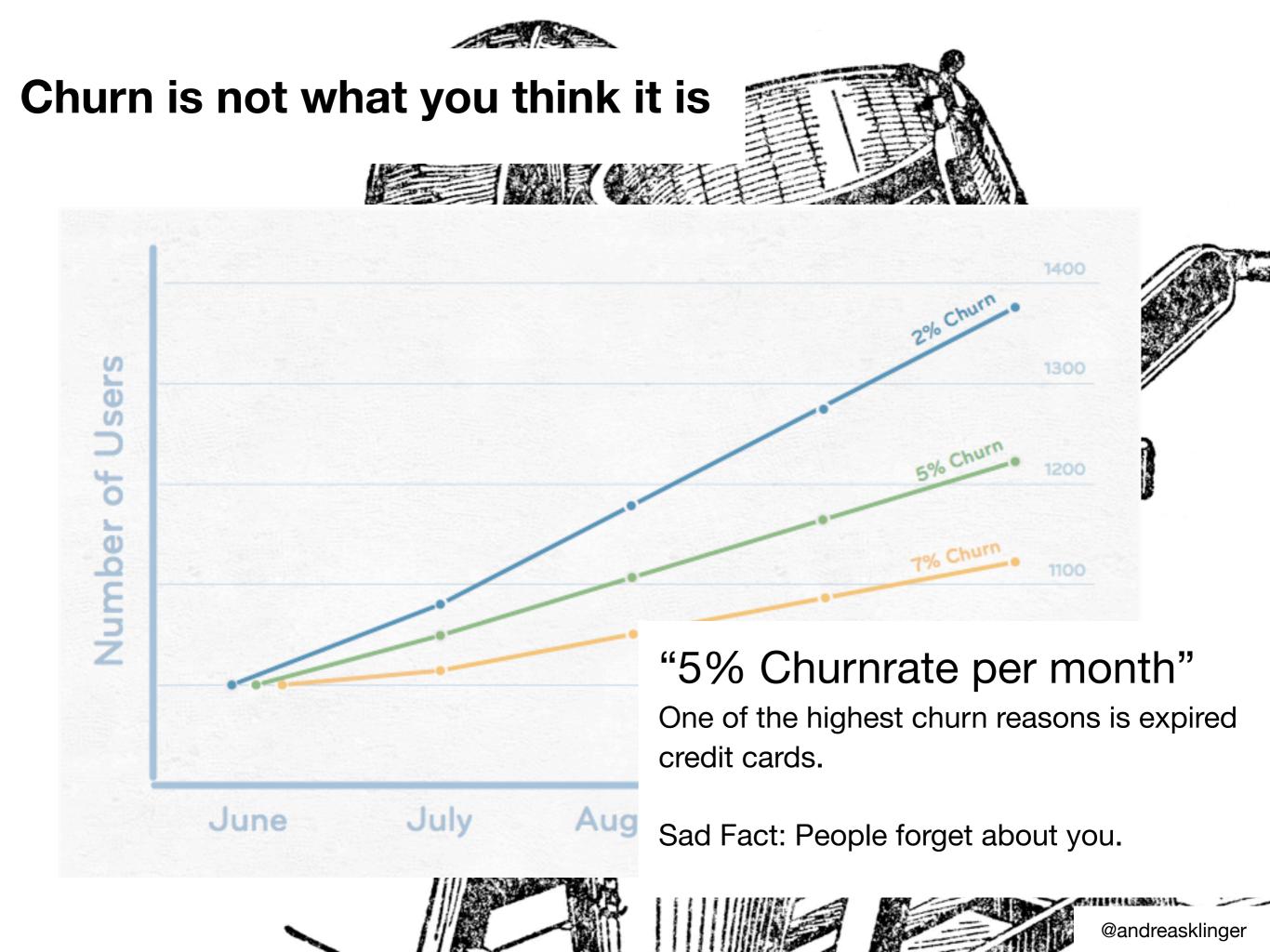
eg. K = 2

Cycle Time: 2 days => 20 days = 20.470 users

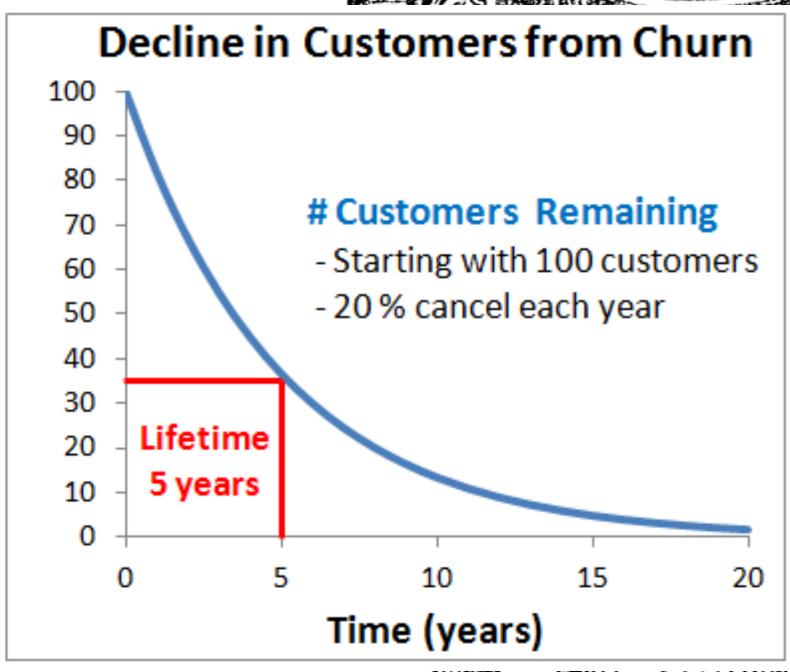
Cycle Time: 1 day => 20 days = 20mio users

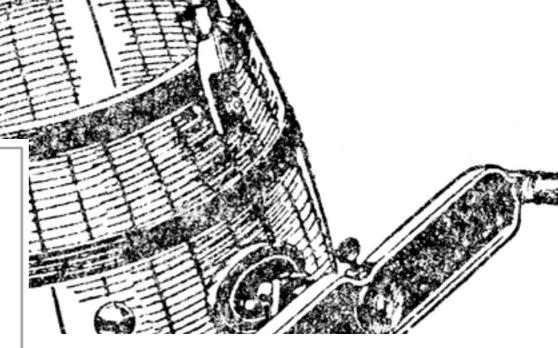
Source: http://www.forentrepreneurs.com/lessons-learnt-viral-marketing.











People don't wake up and suddenly want to unsubscribe your service...

"Oh.. it's May 5th..
Better churn from that random online startup i found 2 months ago."

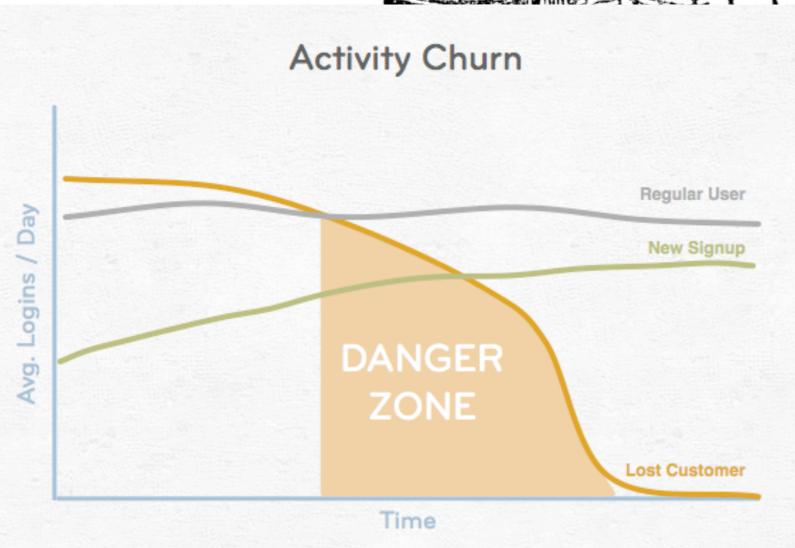




Churn is not what you think it is







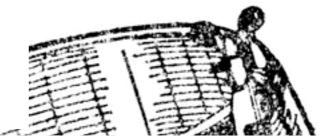
You loose them in the first 3 weeks.

And then at some point just remind them to unsubscribe.

That's when we measure it (too late).







Not all churn is equal

"Track churn at 1 day, 1 week and 1 month, because users leave at different times for different reasons. After one day it could be you have a lousy tutorial or just aren't hooking users. After a week it could be that your game isn't 'deep enough,' and after a month it could be poor update planning."

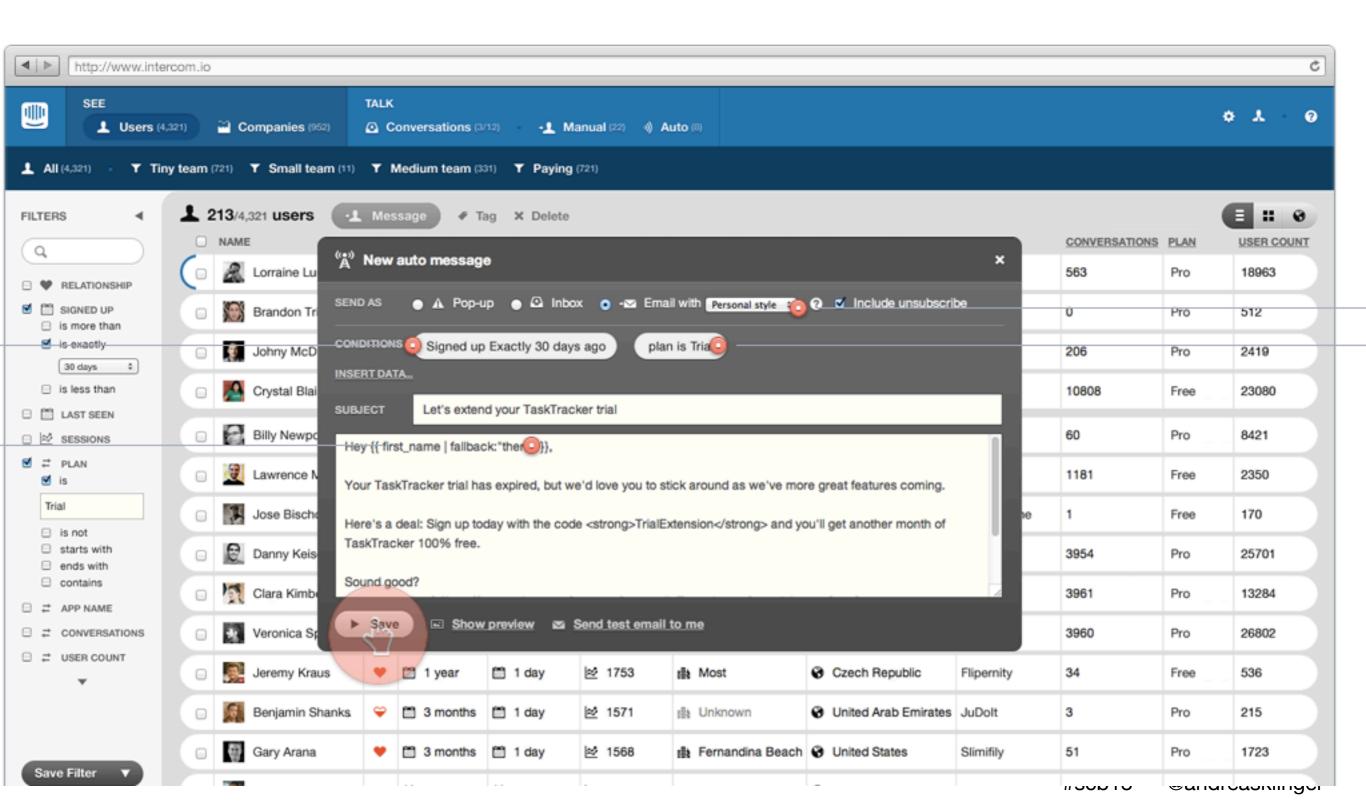
Keith Katz, co-founder of Execution Labs and former VP of Monetization for OpenFeint

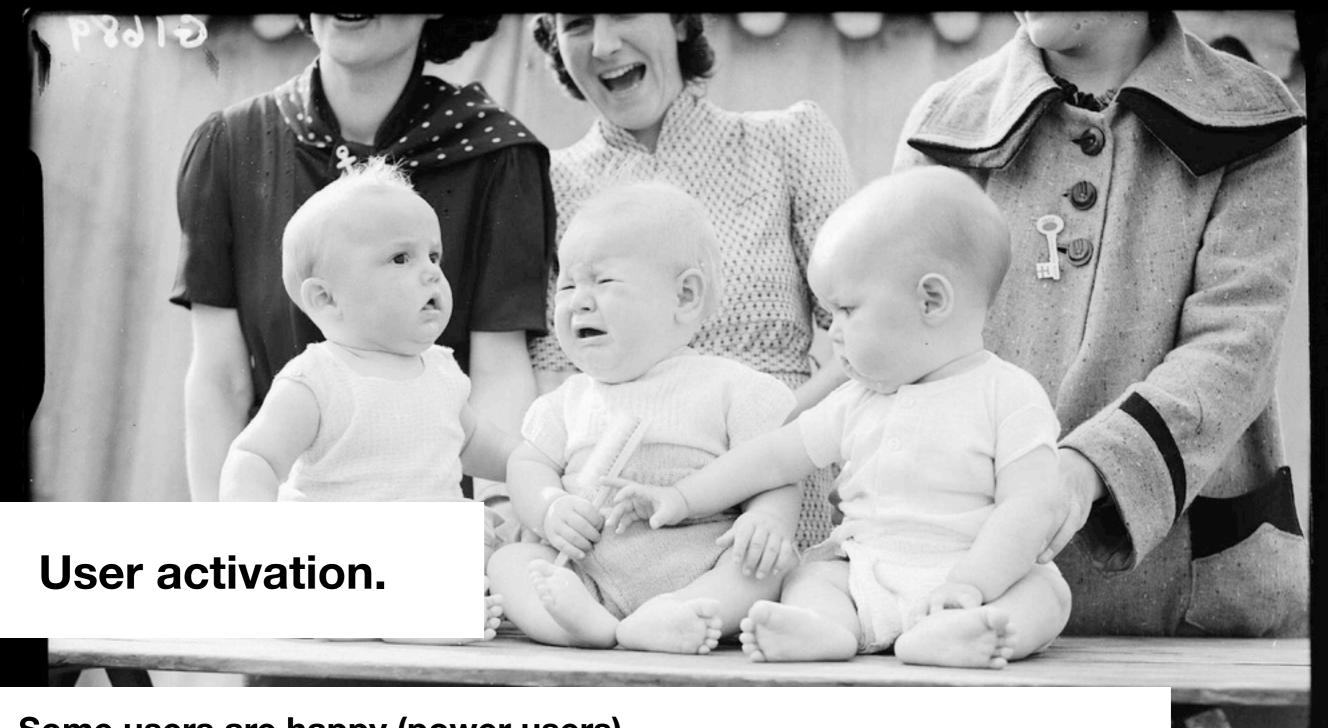
(Knowing when users churn gives you an indication of why they're churning and what you can try in order to keep them longer.)

Source: Lean Analytics

Checkout Intercom.io

Segment + message customers = Awesome





Some users are happy (power users)
Some come never again (churned users)

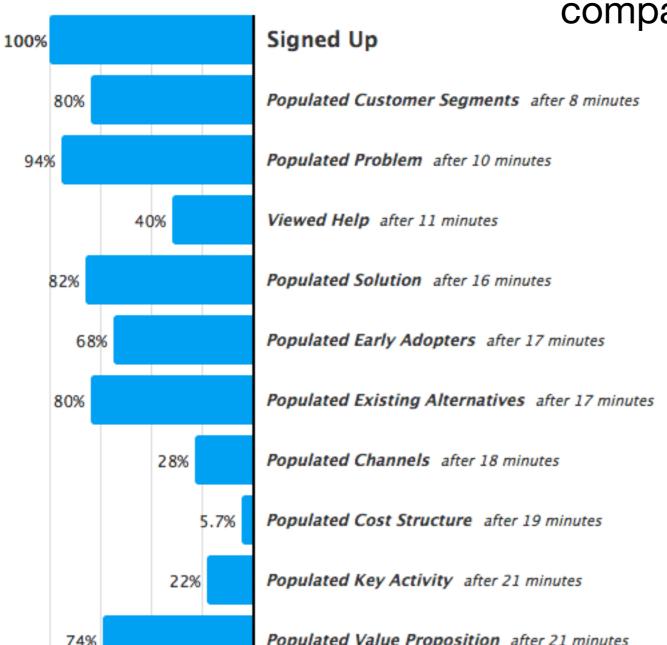
What differs them? It's their activities in their first 30 days.

Sub-funnels





"What did the people do that signed up, before they signed up, compare to those who didn't?"



Source: Usercycle

Example Twitter

How often did activated users use twitter in the first month:

7 times

What did they do?

Follow 20 people, followed back by 10

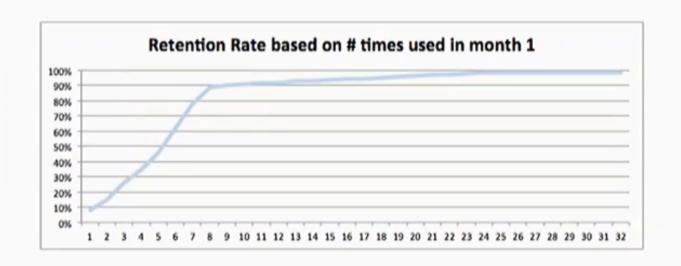
Churn:

If they don't keep them 7 times in the first 30 days.

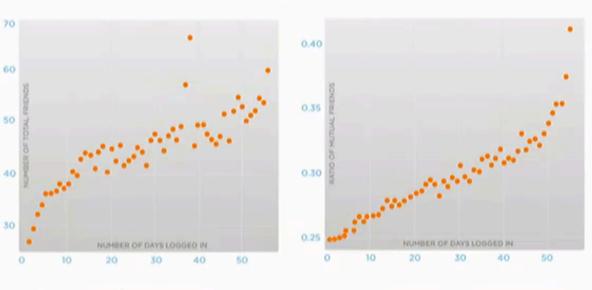
They will lose them forever.

It doesn't matter when a user remembers to unsubscribe

Question: How many times do people need to use twitter to stay retained?



Question: Of those people who are retained, what's different about them?



Following more than 30 accounts

1/3 - mutual follows 2/3 - one-way follows

Example Twitter

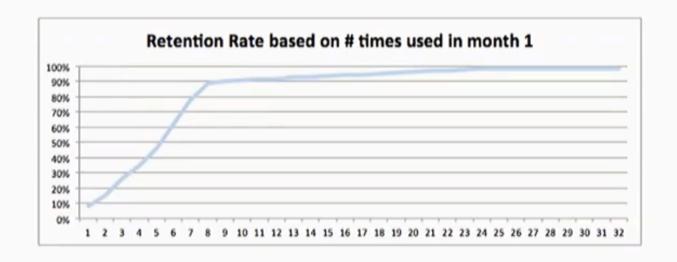
Example Twitter:
How did they get more people
to follow 30people within
7visits in the first 30 days?

Ran assumptions, created features and ran experiments!

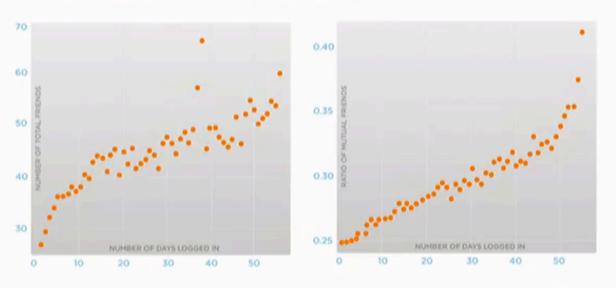
Watch: http://www.youtube.com/watch?v=L2snRPbhsF0



Question: How many times do people need to use twitter to stay retained?

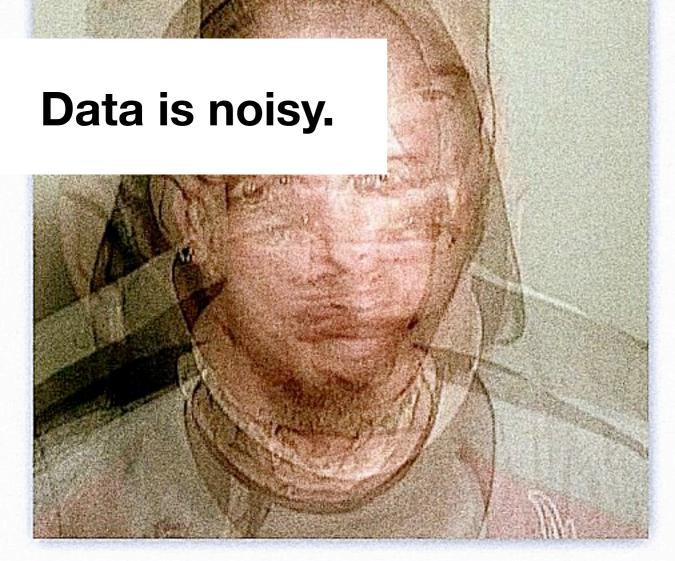


Question: Of those people who are retained, what's different about them?



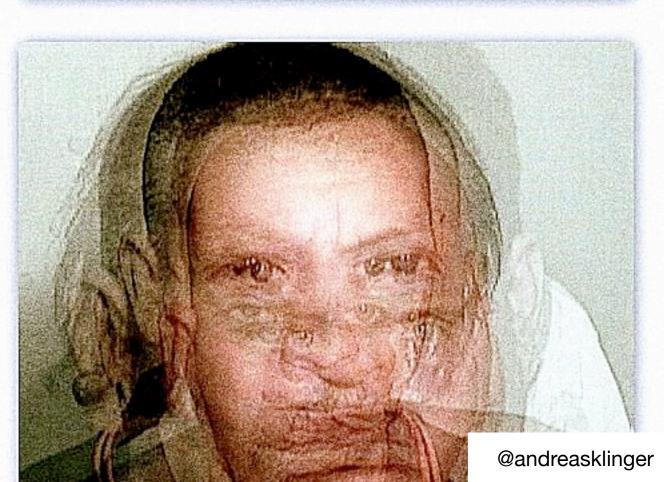
Following more than 30 accounts

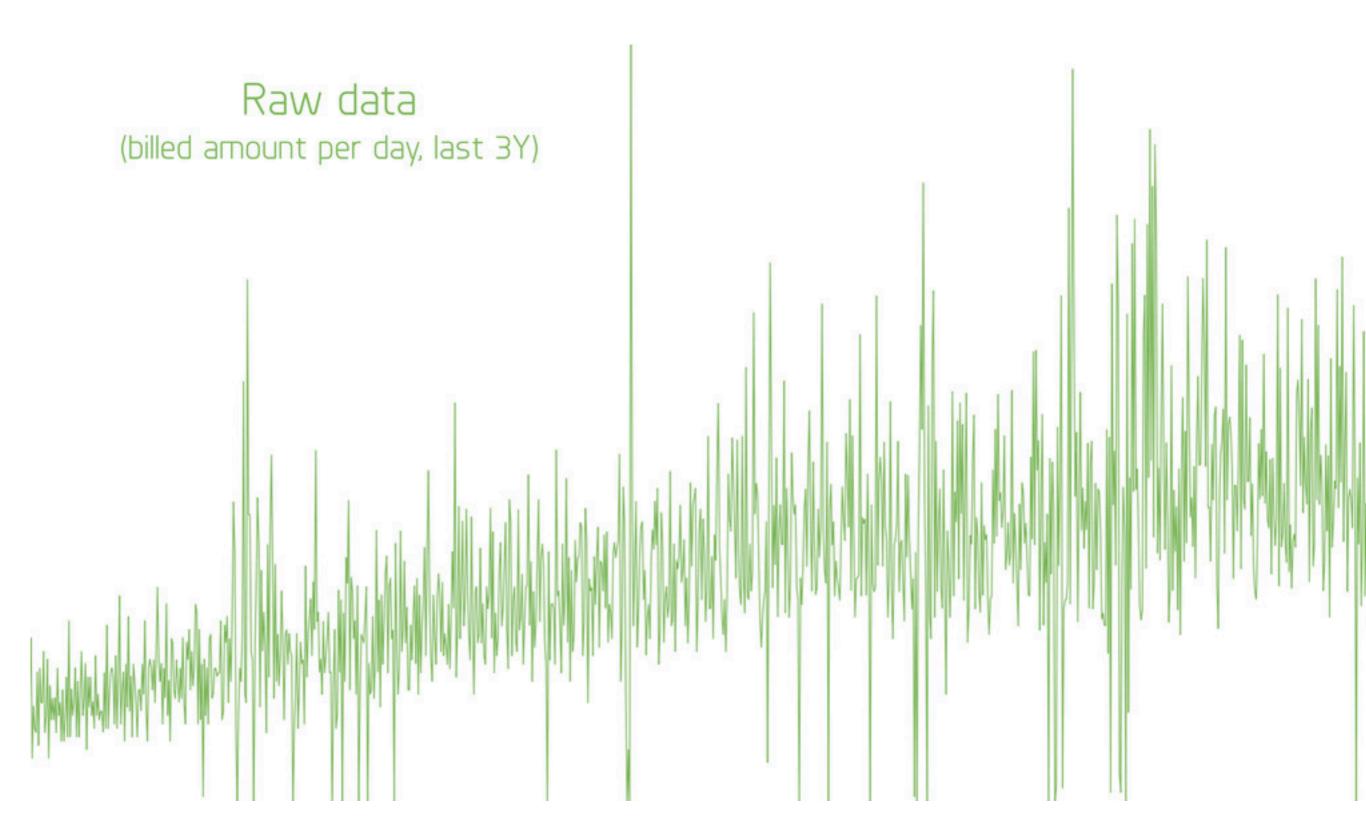
1/3 - mutual follows 2/3 - one-way follows

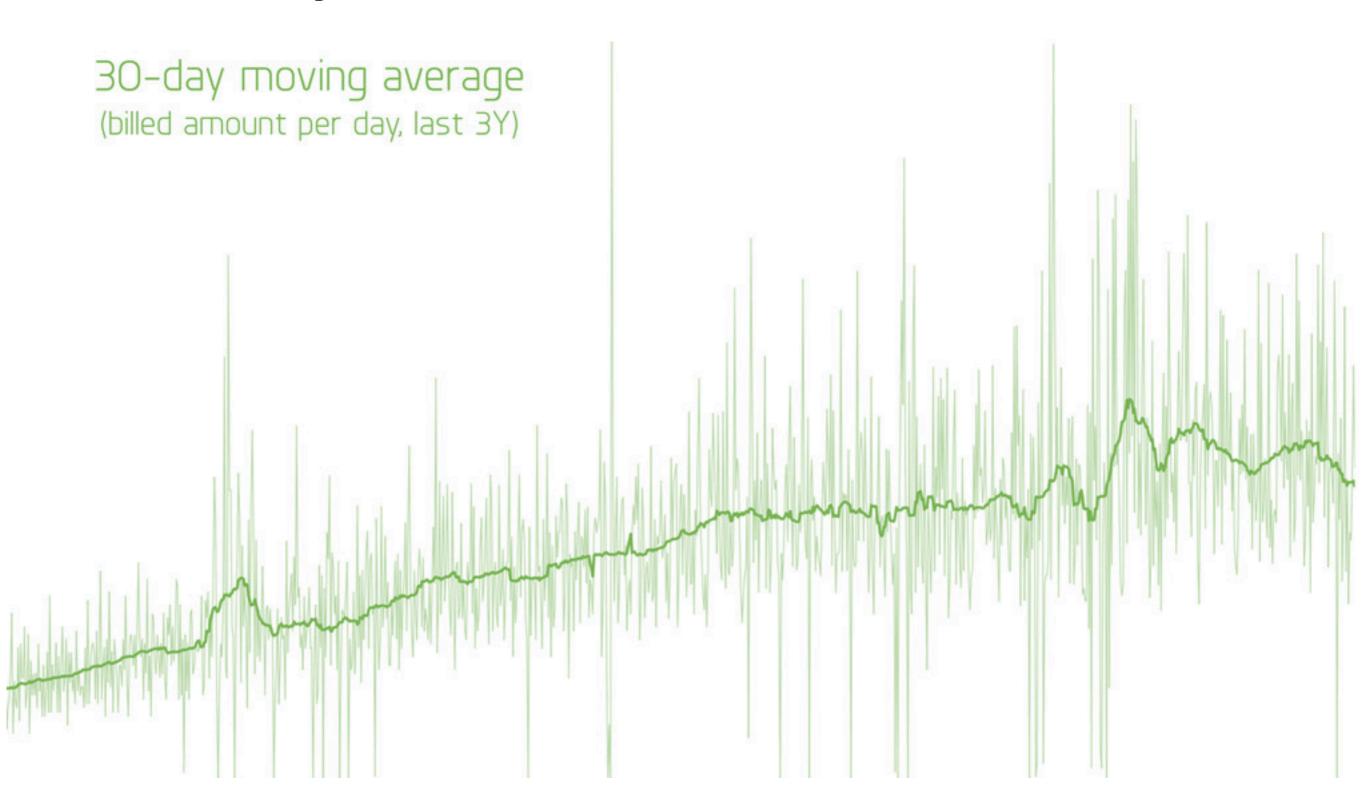


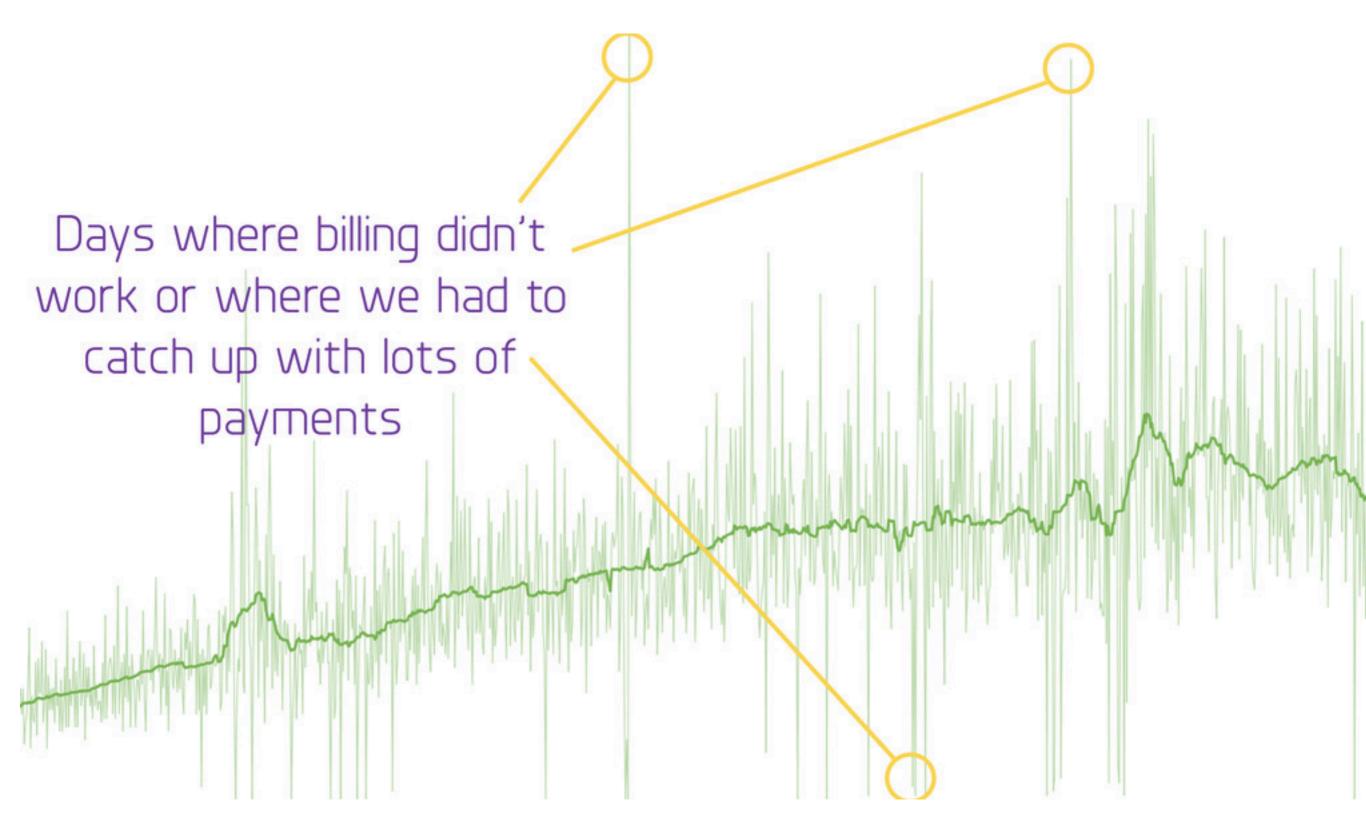


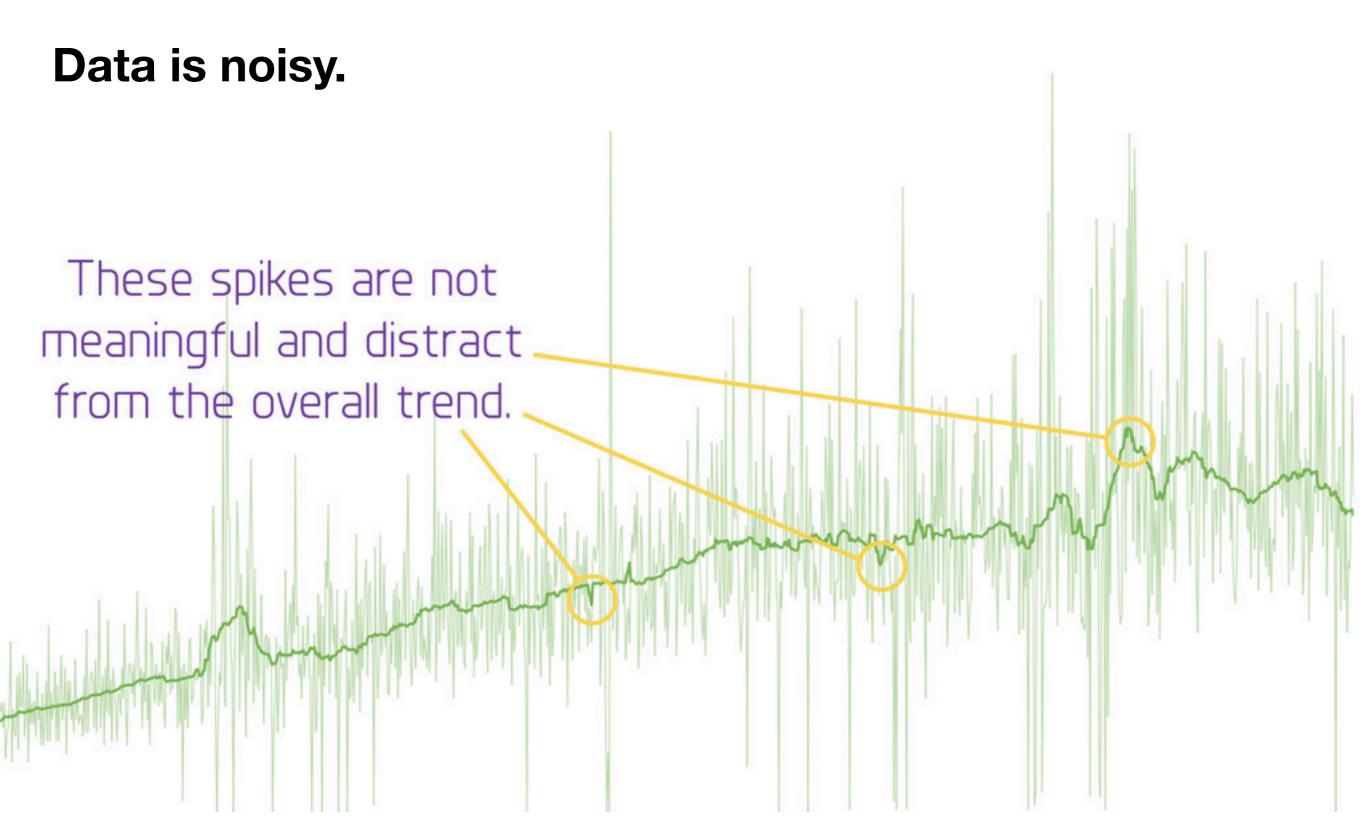


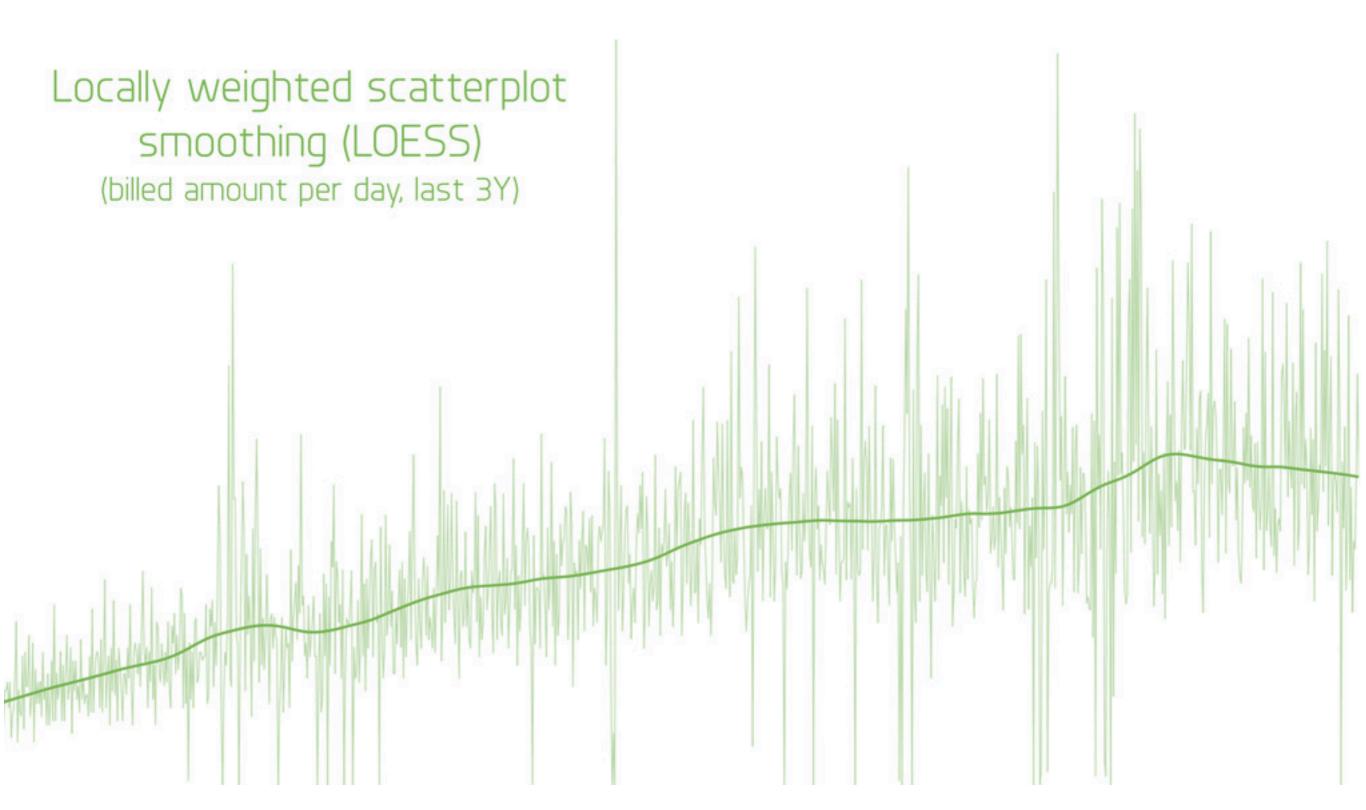


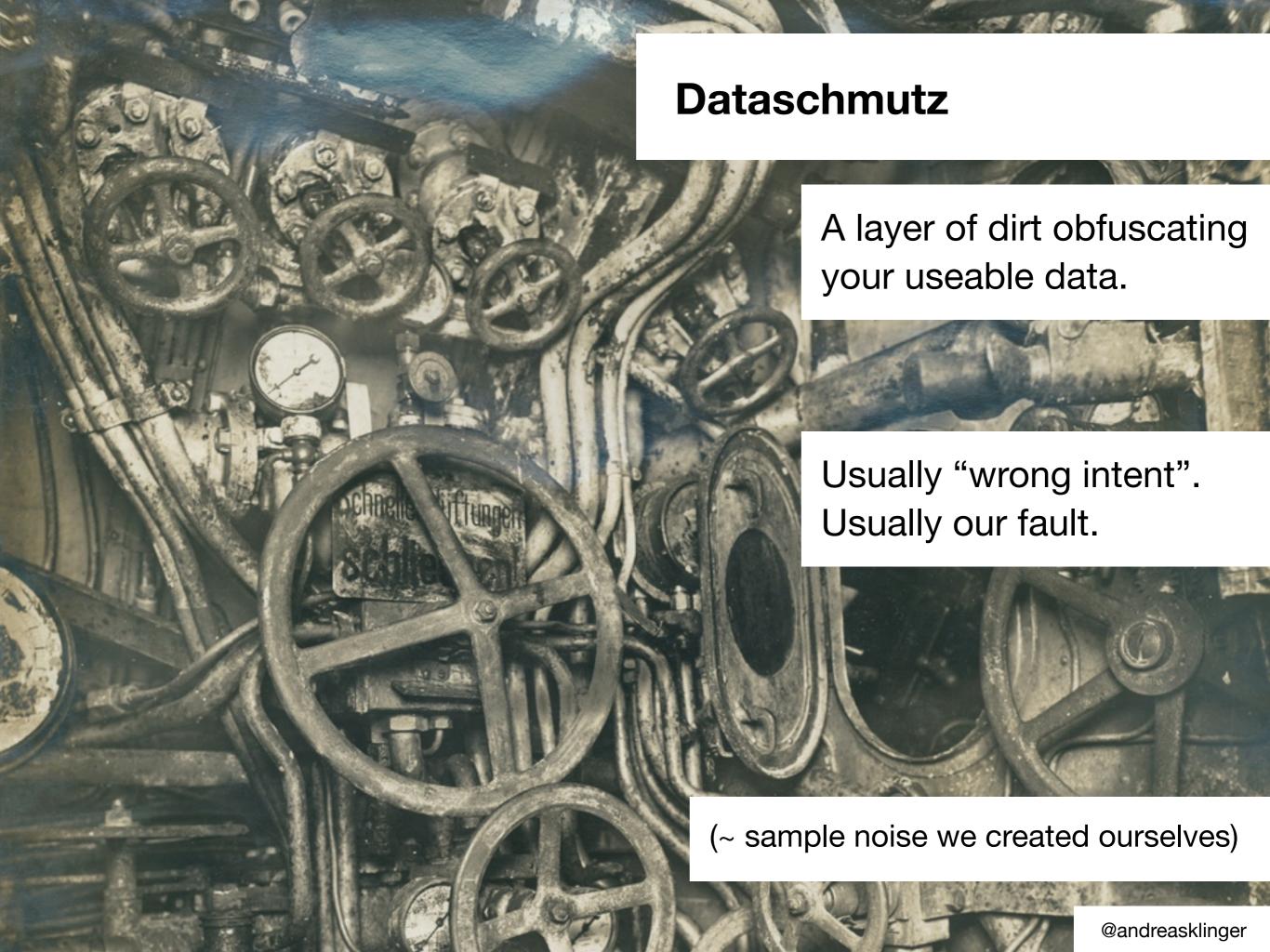


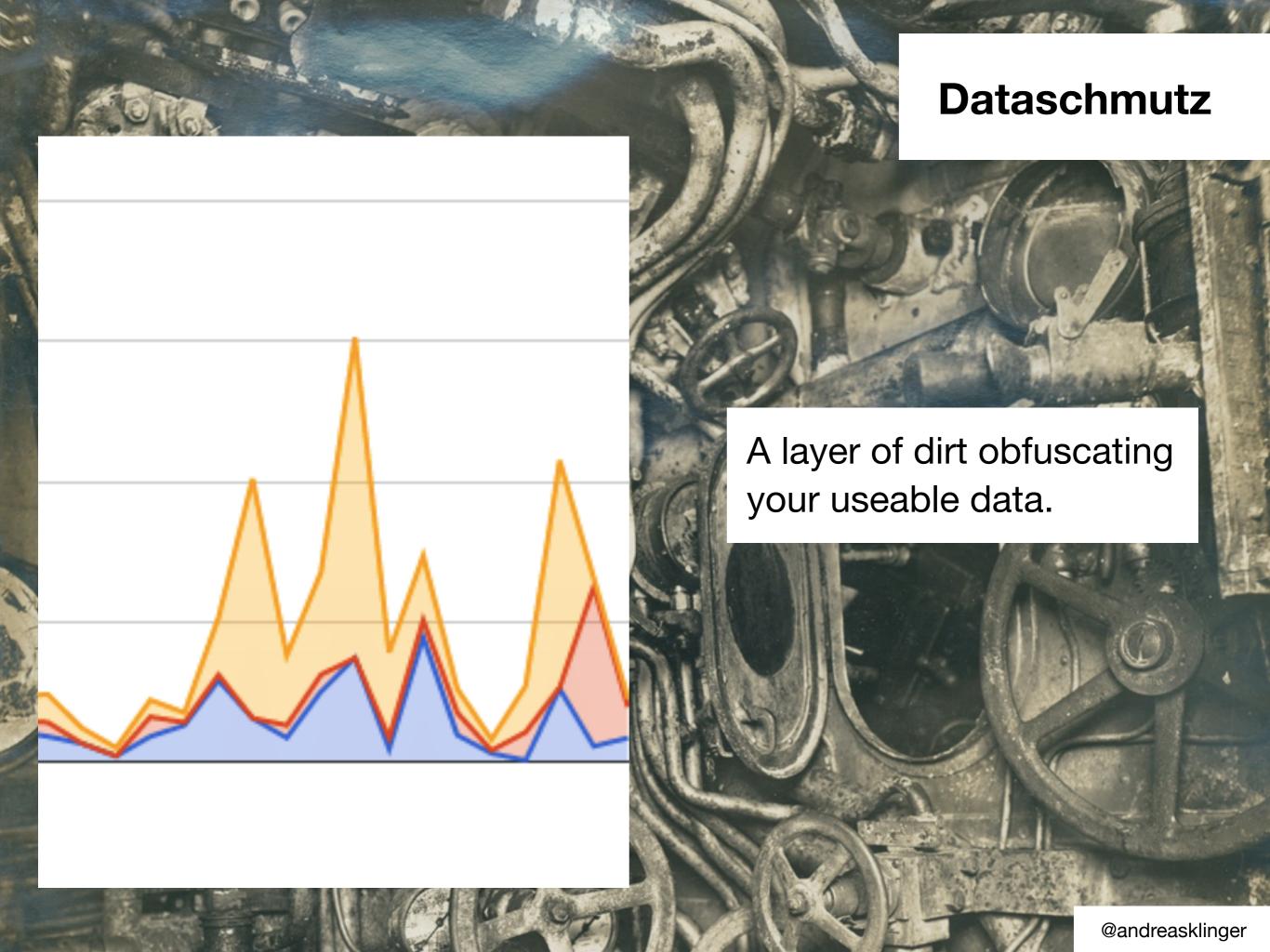


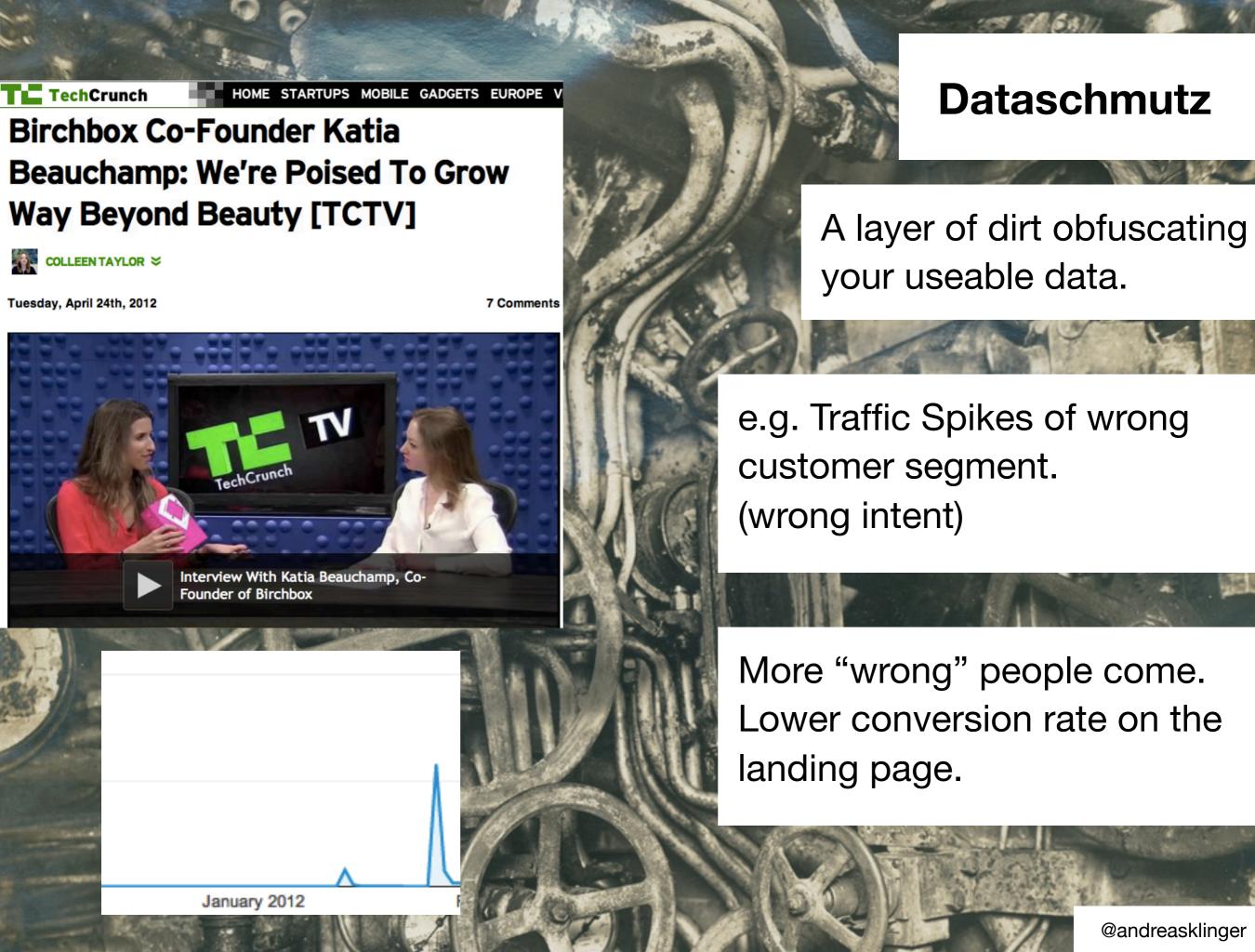










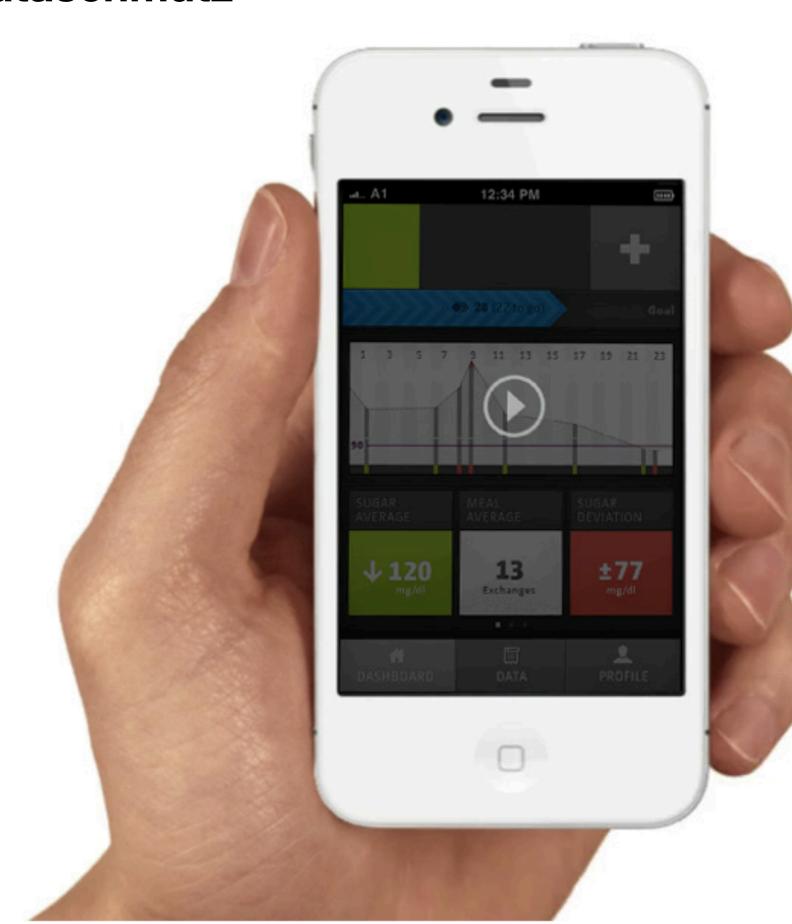


How to minimize the impact of Dataschmutz

Base your KPIs on wavebreakers.

WK	visitors	acquisition	activation	retention	referral	revenue
Birchbox	visit	registration	first photo	twice a month	share	• • •
	6000 ←	66% / 4000	62,5%	25%	10%	
2	25000	35% / 8750	65%	23%	9%	
3	5000	70% / 3500	64%	26%	4%	

Dataschmutz

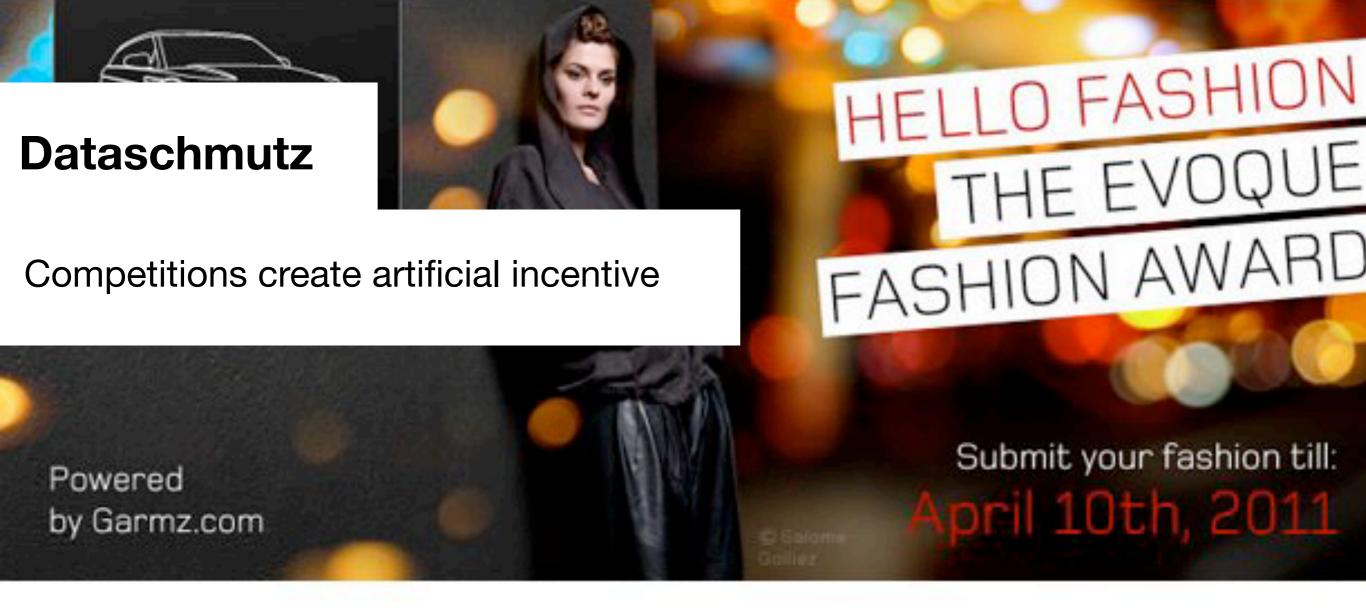


MySugr

is praised as "beautiful app" example....

- => Downloads
- => Problem:
 Not all are diabetic

They focus on people who activated.



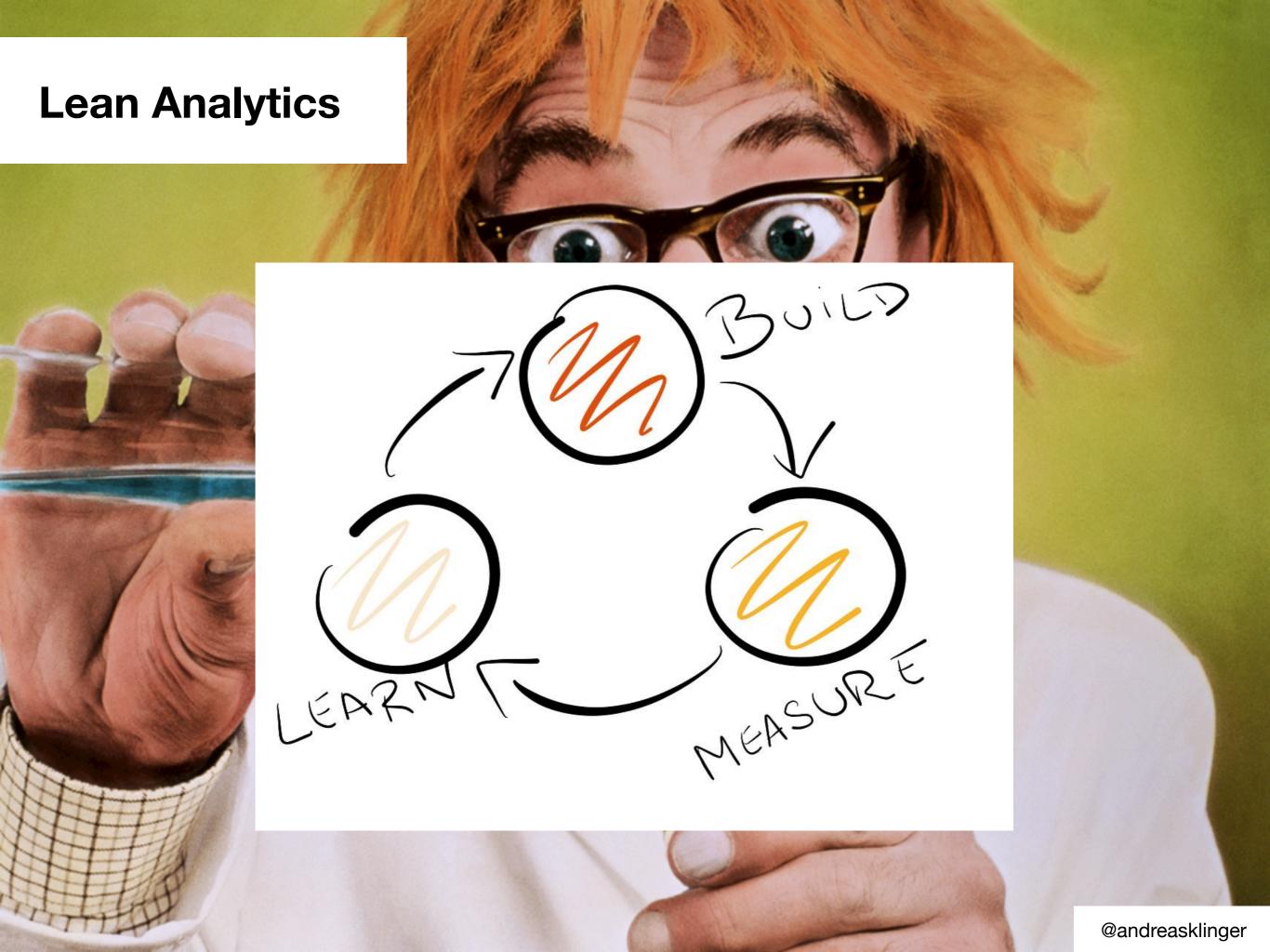
Competitions (before P/M Fit) are nothing but **Teflon Marketing**

"Would you use my app and might win 1.000.000 USD?"

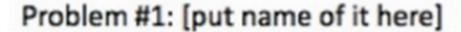
People come. People leave.

They leave dirt in your database.





Lean Analytics



Hypothesized Solutions

- List possible solutions that you'll start working on in the next week. Rank them.
 - Why do you believe each solution will help solve or completely solve the problem?

Metrics / Proof + Goals

- List metrics you'll use to measure whether or not the solutions (to the left) are doing what you expected (solving the problem)
- List proof (qualitative) you'll use as well
- Define goals for the metrics

Problem #2: [put name of it here]

Hypothesized Solutions

- List possible solutions that you'll start working on in the next week. Rank them.
 - Why do you believe each solution will help solve or completely solve the problem?

Metrics / Proof + Goals

- List metrics you'll use to measure whether or not the solutions (to the left) are doing what you expected (solving the problem)
- List proof (qualitative) you'll use as well
- Define goals for the metrics



Hypothesis: We believe that introducing a newsfeed will increase interaction between users.

Track: Engagement between users (comments/likes) **Falsifiable Hypothesis**: People who visited the newsfeed will give a 30% more comments and likes, than people who didn't.



Important #1:

Don't forget to timebox experiments.

Important #2:

Worry less about statistical significance (while early stage). Just use experiments to doublecheck your entrepreneurial intuition.

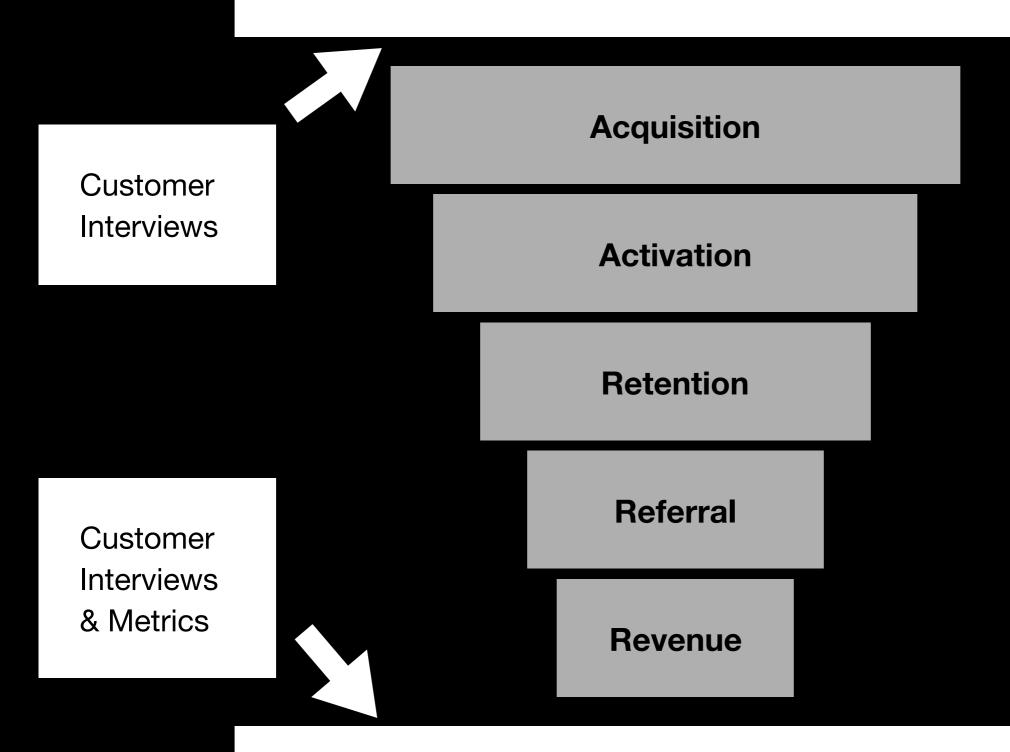


CUSTOMER INTENT

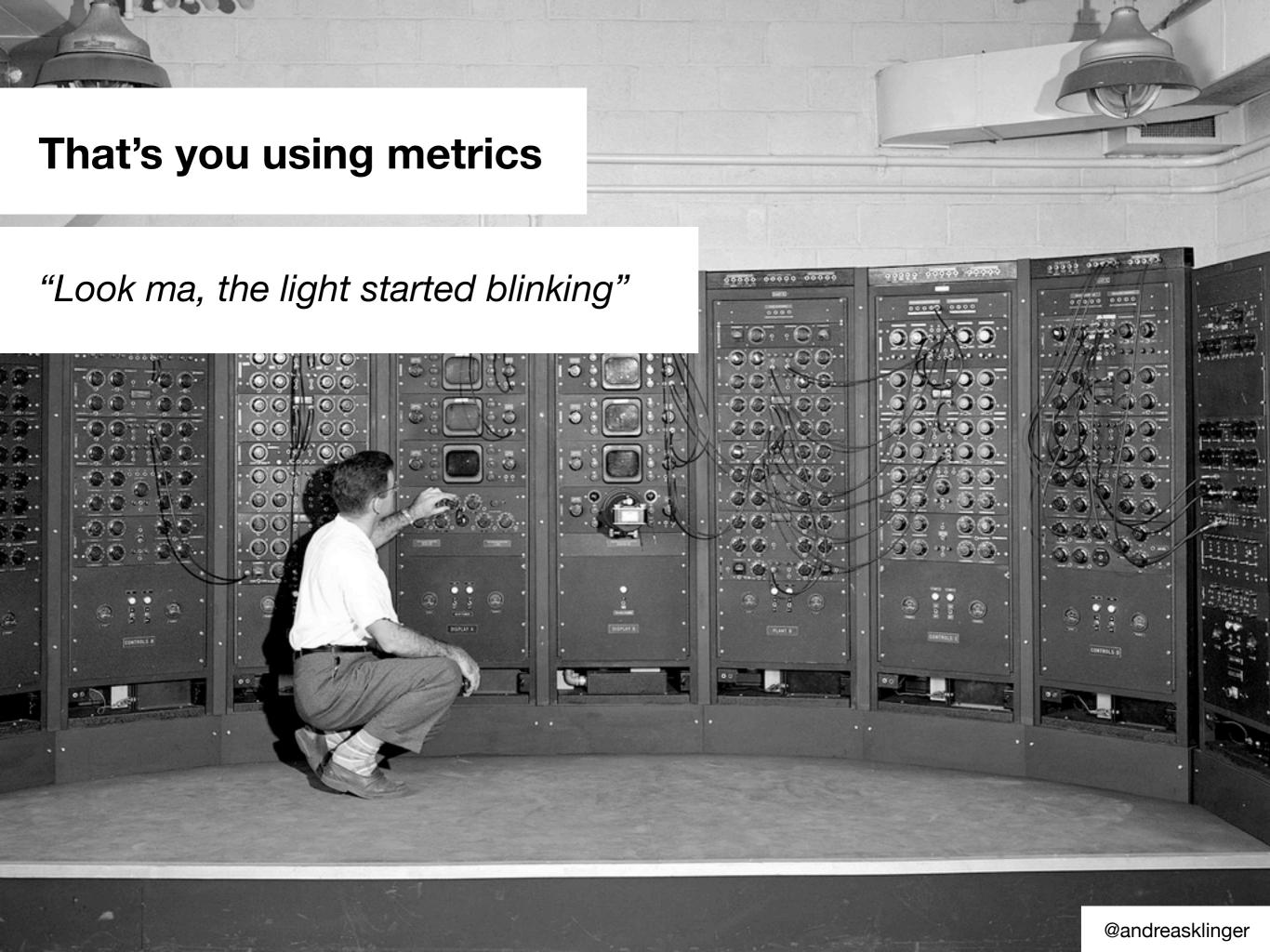
Acquisition Activation Retention Referral Revenue

FULFILMENT OF CUSTOMER INTENT

CUSTOMER INTENT (JOB)

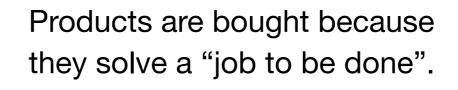


FULFILMENT OF CUSTOMER INTENT



Metrics are horrible way to understand customer intent

Customer Intent = His "Job to be done"



Learn about Jobs to be done Framework

Watch: http://bit.ly/cc-jtbd

Metrics are horrible way to understand customer intent

Great Way: Customer Interviews



Rob Fitzpatrick - How To Do (And What To Expect From) Early-Stage Customer Development & Sales

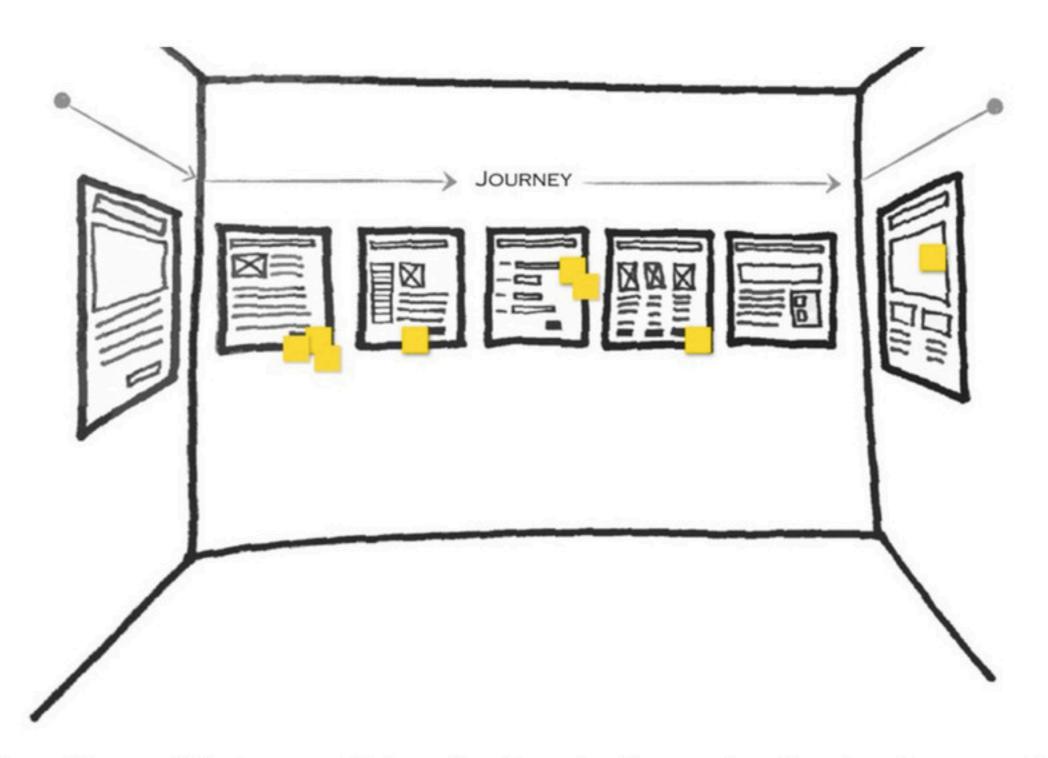
But: We bias our people, when we ask them.

Even if we try not to.

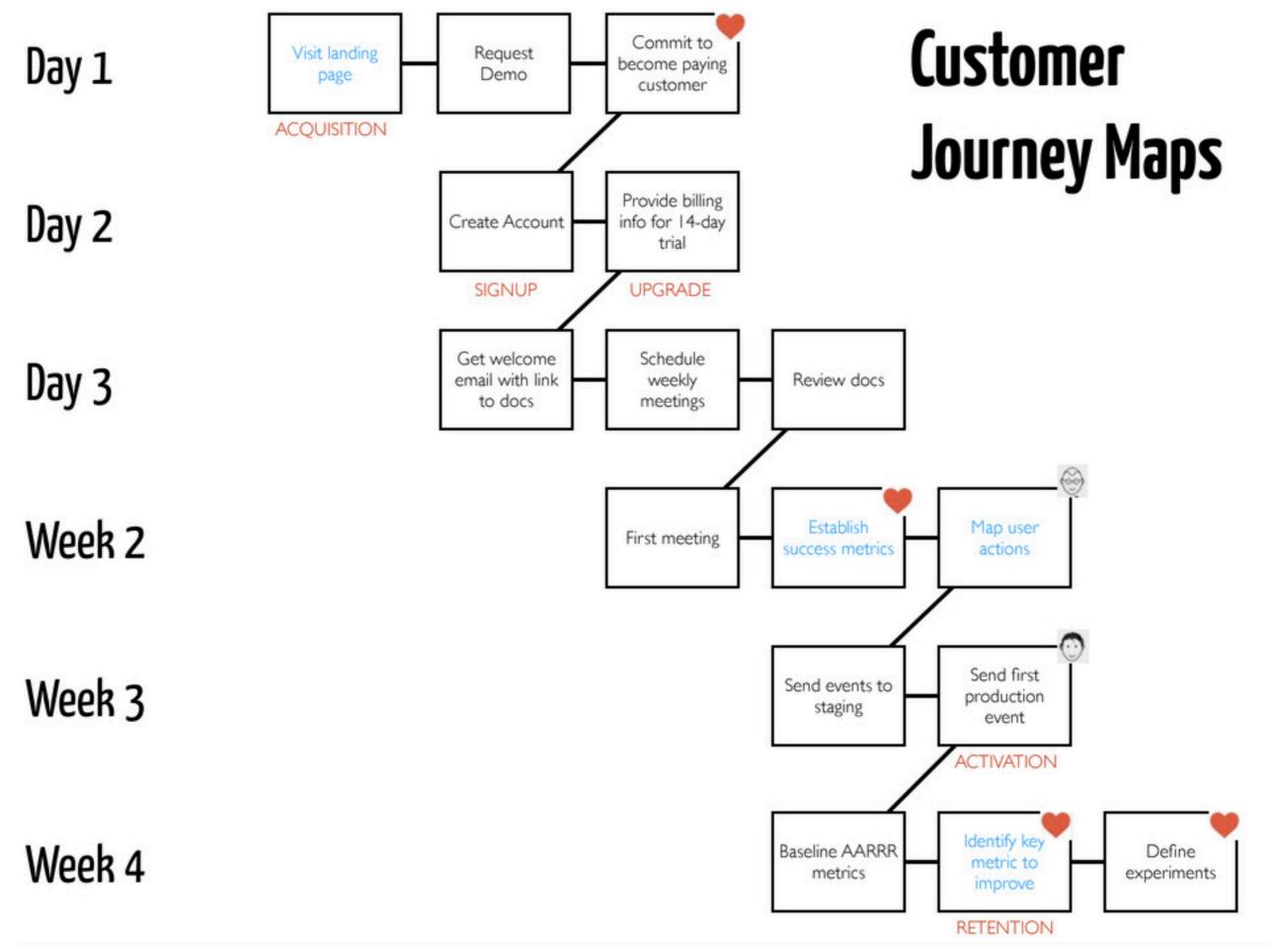
Reason: we believe our own bullshit.

Watch: www.hackertalks.io

Usability Tests



http://www.slideshare.net/JohnnyForeigner/active-testing-sketches-leancamp-bcn



Source: Lukas Fittl - http://speakerdeck.com/lfittl



Groupwork.

- Draw your customer journey
- Pick a point where there is likely a problem
- Formulate assumption
- Formulate Success Criteria





Show & Tell.





Summary

- Use Metrics for Product and Customer Development.
- Use Cohorts.
- Use AARRR.
- Figure Customer Intent through non-biasing interviews.
- Understand your type of product and it's core drivers
- Find KPIs that mean something to your specific product.
- Avoid Telfonmarketing (eg Campaigns pre-product).
- Filter Dataschmutz
- Metrics need to hurt
- Focus on the first 30 days of customer activation.
- Connect Product Hypotheses to Metrics.
- Don't hide behind numbers.

TL;DR: Use metrics to validate/doublecheck.
Use those insights when designing for/speaking to your customers.

Read on

Startup metrics for Pirates by Dave McClure

http://www.slideshare.net/dmc500hats/startup-metrics-for-pirates-long-version

Actionable Metrics by Ash Mauyra

http://www.ashmaurya.com/2010/07/3-rules-to-actionable-metrics/

Data Science Secrets by DJ Patil - LeWeb London 2012

http://www.youtube.com/watch?v=L2snRPbhsF0

Twitter sign up process

http://www.lukew.com/ff/entry.asp?1128

Lean startup metrics - @stueccles

http://www.slideshare.net/stueccles/lean-startup-metrics

Cohorts in Google Analytics - @serenestudios

http://danhilltech.tumblr.com/post/12509218078/startups-hacking-a-cohort-analysis-with-google

Rob Fitzpatrick's Collection of best Custdev Videos - @robfitz

http://www.hackertalks.io

Lean Analytics Book

http://leananalyticsbook.com/introducing-lean-analytics/

Actionable Metrics - @lfittl

http://www.slideshare.net/lfittl/actionable-metrics-lean-startup-meetup-berlin

App Engagement Matrix - Flurry

http://blog.flurry.com/bid/90743/App-Engagement-The-Matrix-Reloaded

My Blog

http://www.klinger.io

