

- 1. Booking.com, nice to meet you
- 2. The business impact
- 3. Experimentation @Booking.com



Jorden Lentze

Product Owner, Booking.com

- 1 year at Booking
- Previous at Google and ABN AMRO
- Conversion Rate Optimization
- 300+ experiments
- Rotterdam





Timeline.



1996

Founded in Amsterdam

Winterberg



Winterberg















Languages supported





161,000,000+

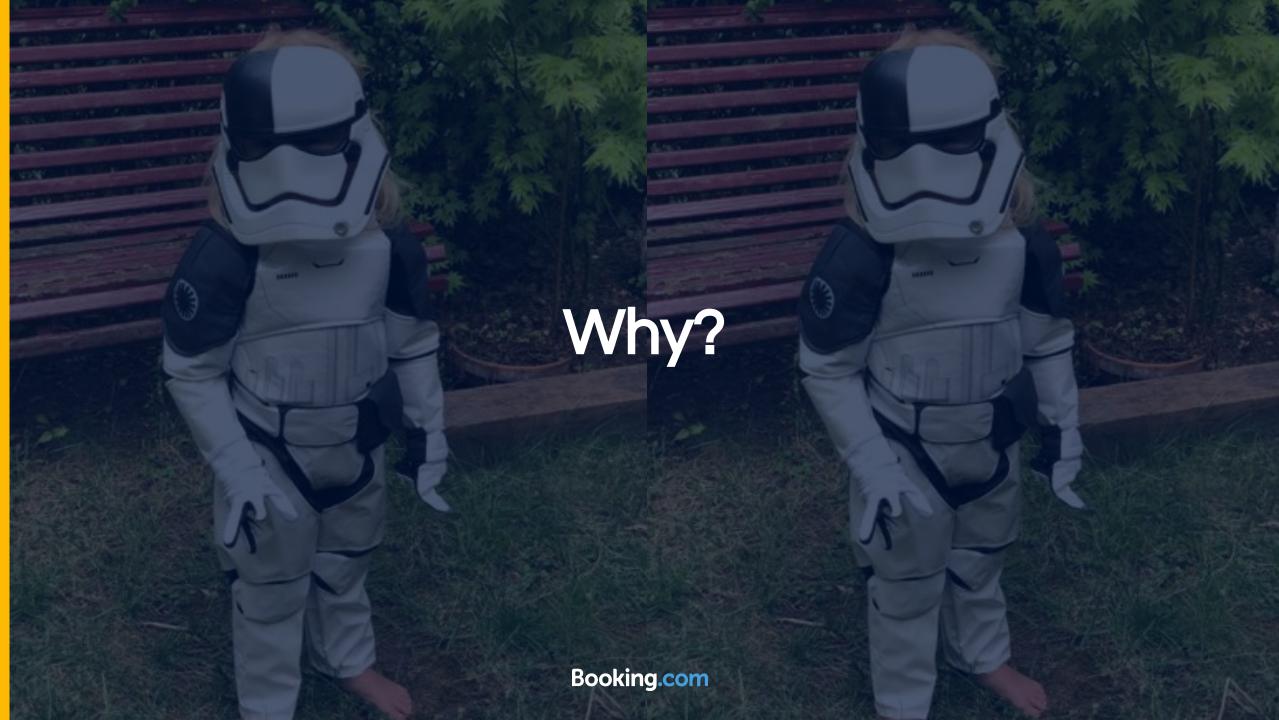
Reviews from real guests



...Today's Top 20 Worldwide Internet Leaders *Today* = USA @ 11...China @ 9

Public / Private Internet Companies, Ranked by Market Valuation (5/29/18)

Rank	Company	Region	Market Value (\$B)	
2018			5/29/13	5/29/18
1)	Apple	USA	\$418	\$924
2)	Amazon	USA	121	783
3)	Microsoft	USA	291	753
4)	Google / Alphabet	USA	288	739
5)	Facebook	USA	56	538
6)	Alibaba	China		509
7)	Tencent	China	71	483
8)	Netflix	USA	13	152
9)	Ant Financial	China	-	150
10)	eBay + PayPal*	USA	71	133
11)	Booking Holdings	USA	41	100
12)	Salesforce.com	USA	25	94
13)	Baidu	China	34	84
14)	Xiaomi	China	-	75
15)	Uber	USA	**	72
16)	Didi Chuxing	China	-	56
17)	JD.com	China	**	52
18)	Airbnb	USA	bear .	31
19)	Meituan-Dianping	China		30
20)	Toutiao	China	-	30
		Total	\$1,429	\$5,788

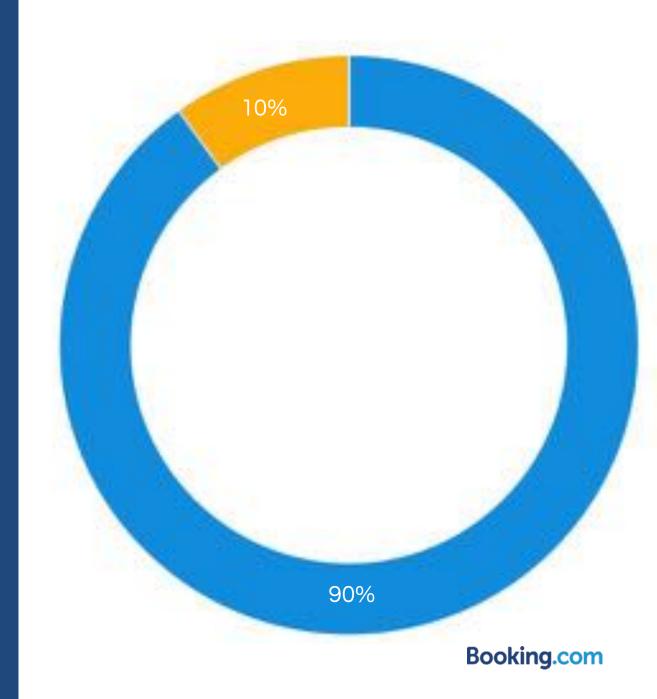


9/10 experiments fail.

90% of product decisions have an inconclusive or negative effect on a product's primary metric

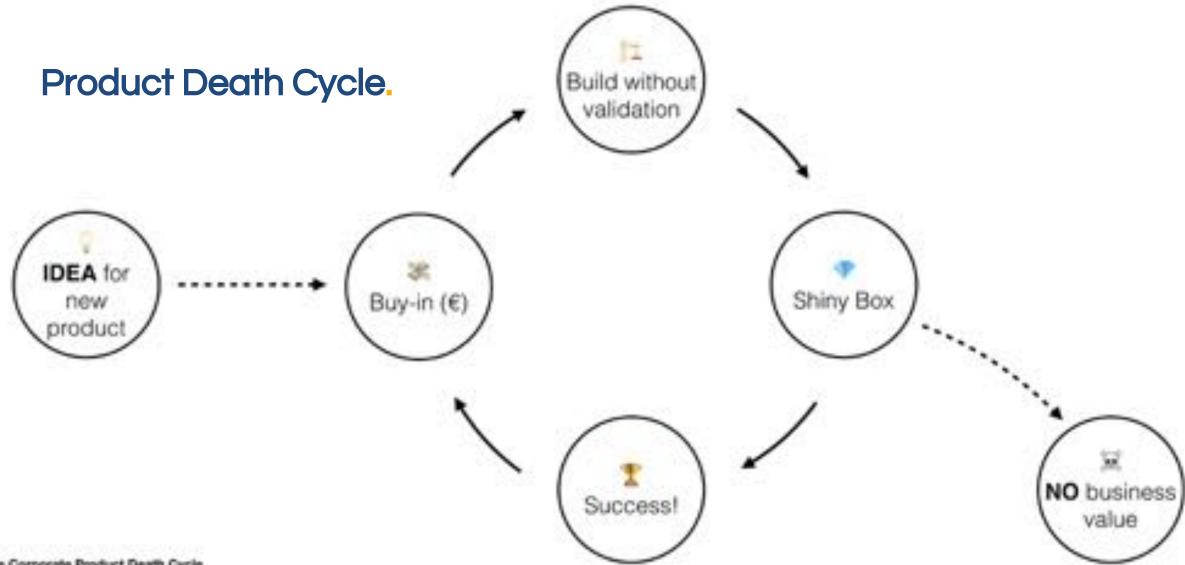
Source: VWO 2016.

(8.75/10 tests fails according to AppSumo)



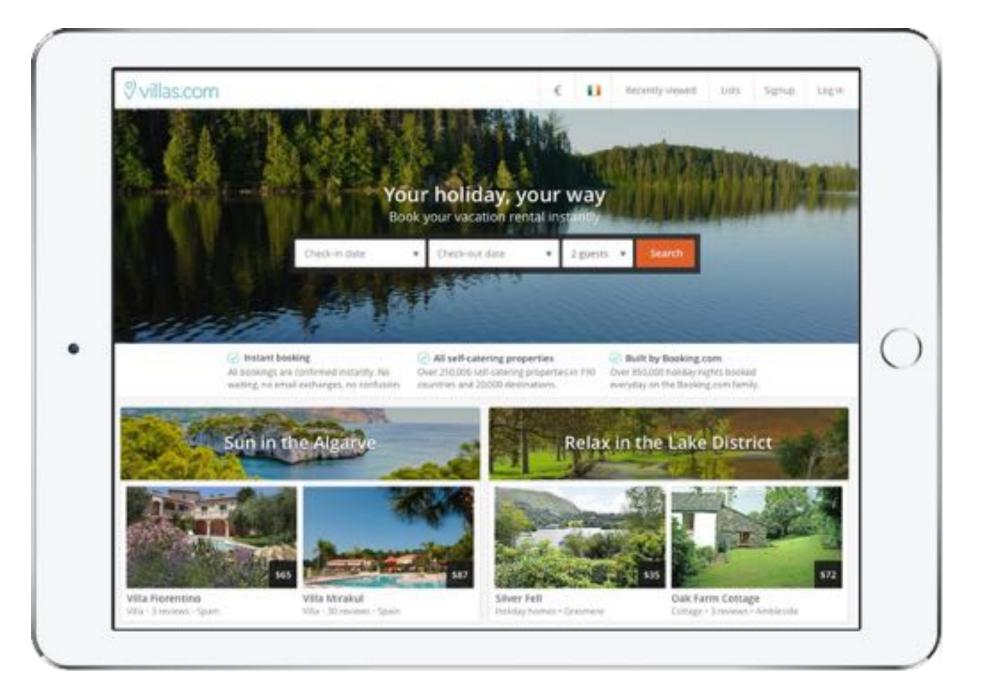
"Booking's utilization of A/B testing has contributed to Booking enjoying conversion rates 2-3x higher than the industry average."

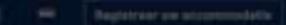
Evercore Equity Research https://goo.gl/rFP



The Corporate Product Death Cycle

by Bram Kanstein - fwitter.com/bramk.







Van een Auleis op hat platfallend bill een hijt ;

.... Weer goet u neartos?

IN COST WOOD WITH



SHARRINGT OF VALUE OF BRIDE



Riemen vast voor de landing op Booking.com

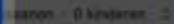


∜ villas.com

Booking.com

Villas.com is onderdeef geworden van Booking.com. Vanaf nu vindt u Nier all onze 1,257:193 vakantiehuizen en appartementen naast onze geste selectie hotels.

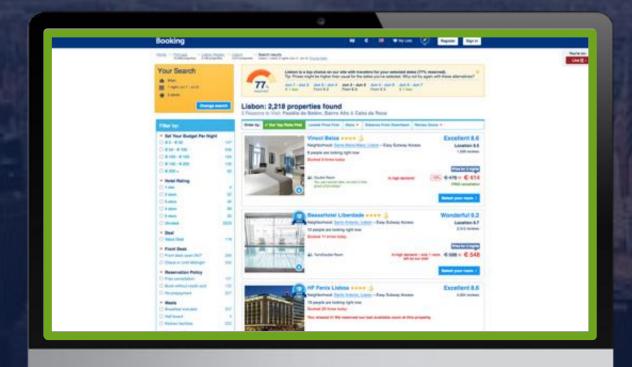
Mask! u zich-geen zorgen als u nog een bestaande boeking heeft. Date is nog steeds geldig. Log in bij Booking.com met uw accountgegevens van Yillas.com. Hier vindt u alle informatie over uw bevertiging.













Which one performed better?

Base.



Variant.



Hypothesize 8 Experiment.

- Hypothesize
- Calculate power
- Run for prescribed time
- Stop, rerun or Full On
- Iterate

Experiment on everything. **Booking.com**



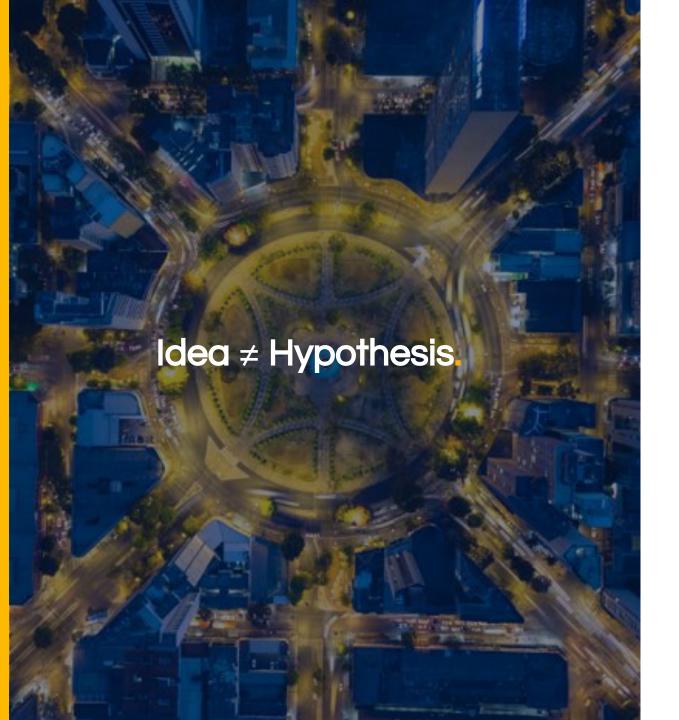


Experiment on Everything

+ Test Atomically =

A lot of experiments!

1,00+ concurrent tests.



Hypothesis Template.

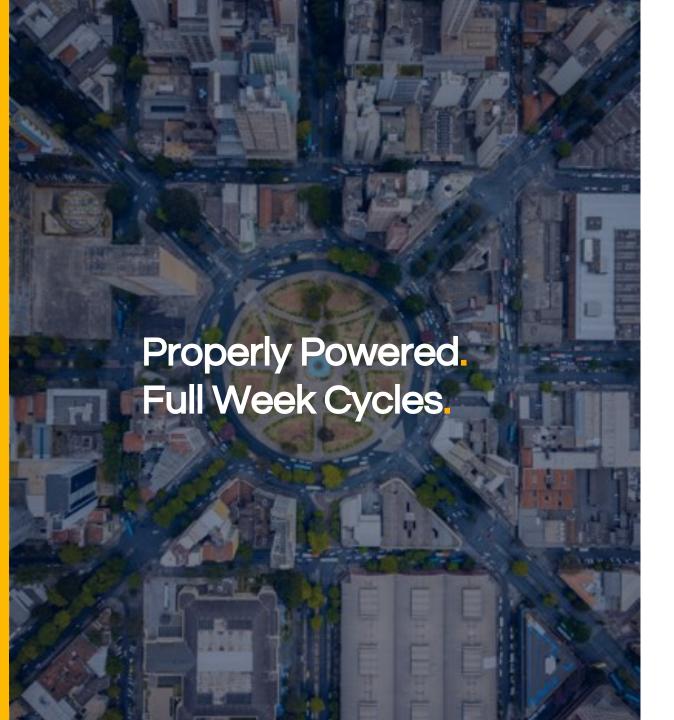
Based on [prior] we believe that changing [condition] for users [sample] will make them [outcome].

We will know this when we see [effect(s)] happen to [metric(s)]. This will be good for customers, partners and our business because [motivation].



Idea ≠ Hypothesis.

 All secondary metrics selected a priori along with their direction of change to avoid Texas Sharpshooter Fallacy



Experiments should:

All experiments should have run time calculated beforehand using the power calculator of your choice.
Or use ours :-)
https://bookingcom.github.io/powercalculator/

 Experiments should then be run for the next closest full week cycle.

Booking.com



Teams made for experimentation. **Booking.com**









Don't assume correlation **Booking.com**

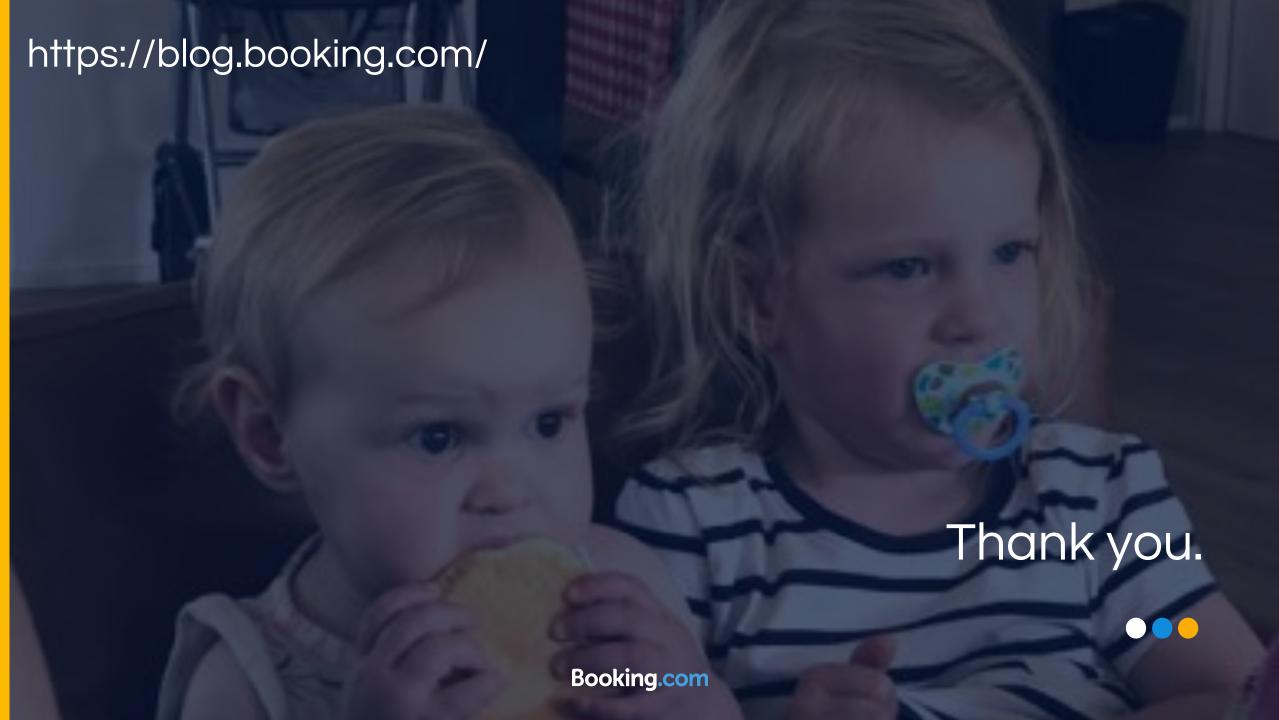
Don't assume reproducibility. **Booking.com**

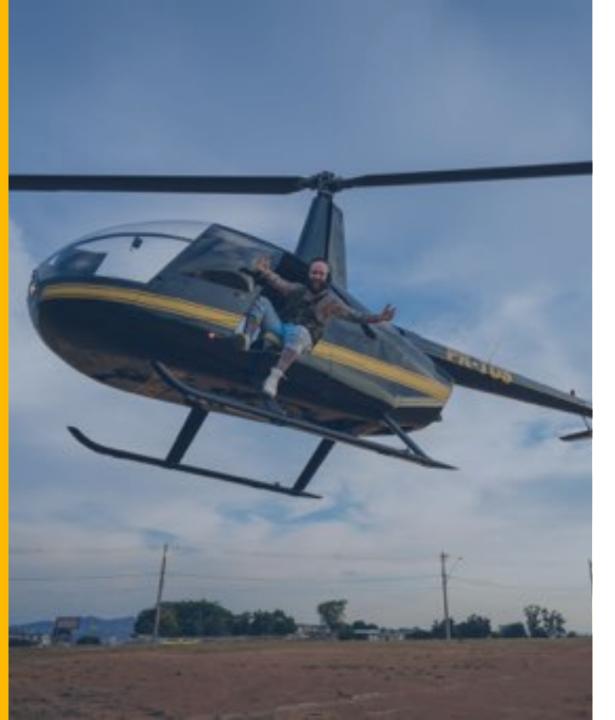
Winterberg



Go where the experiment takes you







Thanks to

Willem Isbrucker

Senior Product Owner, Booking.com

- Search products at Booking.com
- 2 years at Booking
- Many more in Product
- 1000+ experiments



www.linkedin.com/in/willemisbrucker