

How to extract actionable knowledge from less or no data?





How to leverage:

- your HYPOTHESIS,
- some data, and
- basic psychology



A hypothesis is a **testable** assumption.

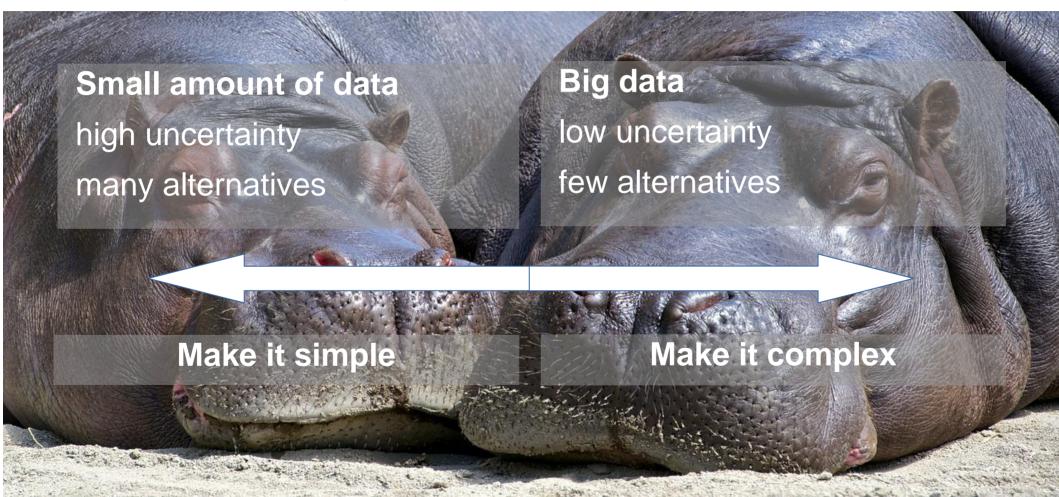
Hyp 1: Shopify shops need adwords help.

→ difficult to test, big data.

Hyp 2: Shopify shops use adwords help.

→ easier to test, see shopify marketplace!

Why Small Data Science?



Use all background knowledge you can get.

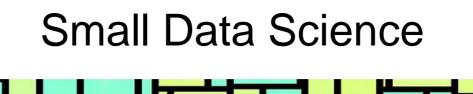
"Solve Problems where People are already paying for solutions" (Dan Norris)

BUT offer different solution!

Example: Wpcurve.com vs. agency

gmail	free \$
mailchimp	cheap \$
contsant contact	\$
salesforce	\$\$\$\$\$
followup.cc	\$





calculated

Reason Backwards / Pattern Matching

MRR ~ \$6500/month, 142 accounts, ...

- ~ 140 new customers in 2014
- ~ 0.7% conversion rate
- → bid up to \$ 1.8 per adwords click (J. Cohen)

Can you build a business based on these numbers?

ex. appointment reminder, Patrick McKenzie, 2014

Use the "right" statistics

Median

for "small" samples

Mean

for "large" samples

What's most frequent?

- 1) Type of customer
- 2) Contract size
- 3) Length of contract

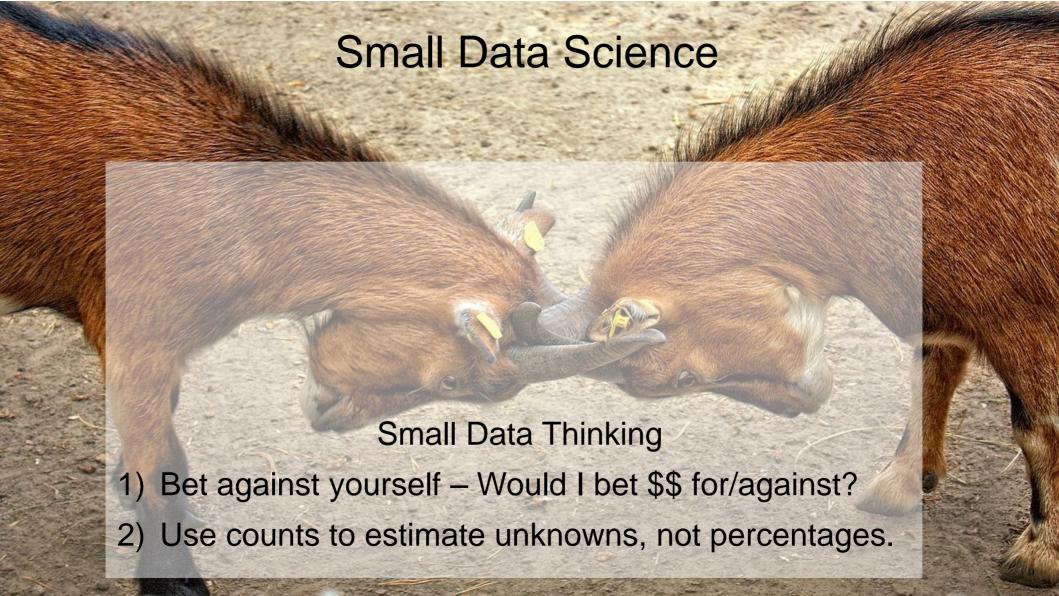
What's the "average"?

- 1) average \$\$
- 2) average age

Depends on data distribution

Fluctuates with small samples







Slides, reading list at:

http://h-rd.org/mceu2015

Questions? I like to help, just ask the guy on the photo!

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