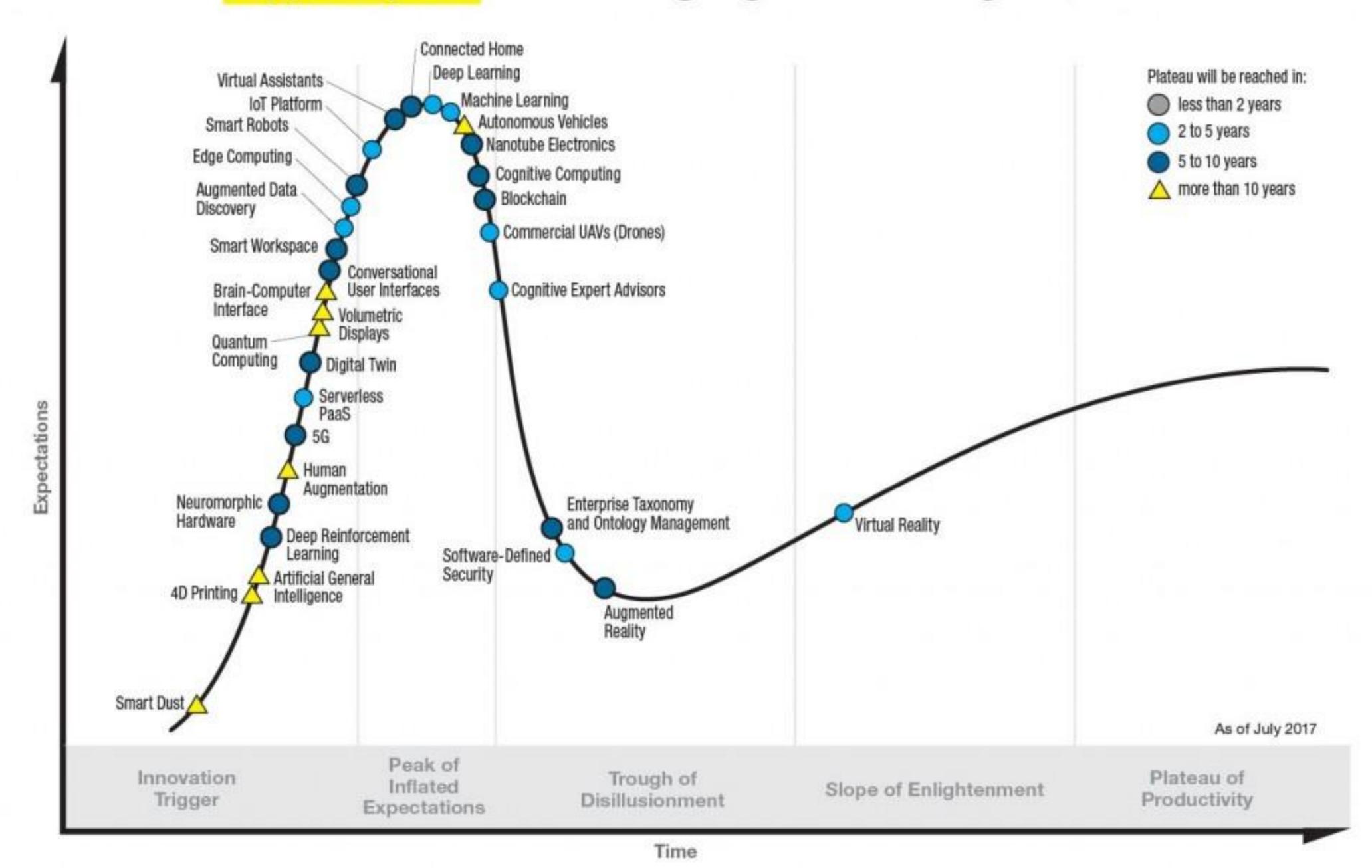
Introduction: A new approach to ML

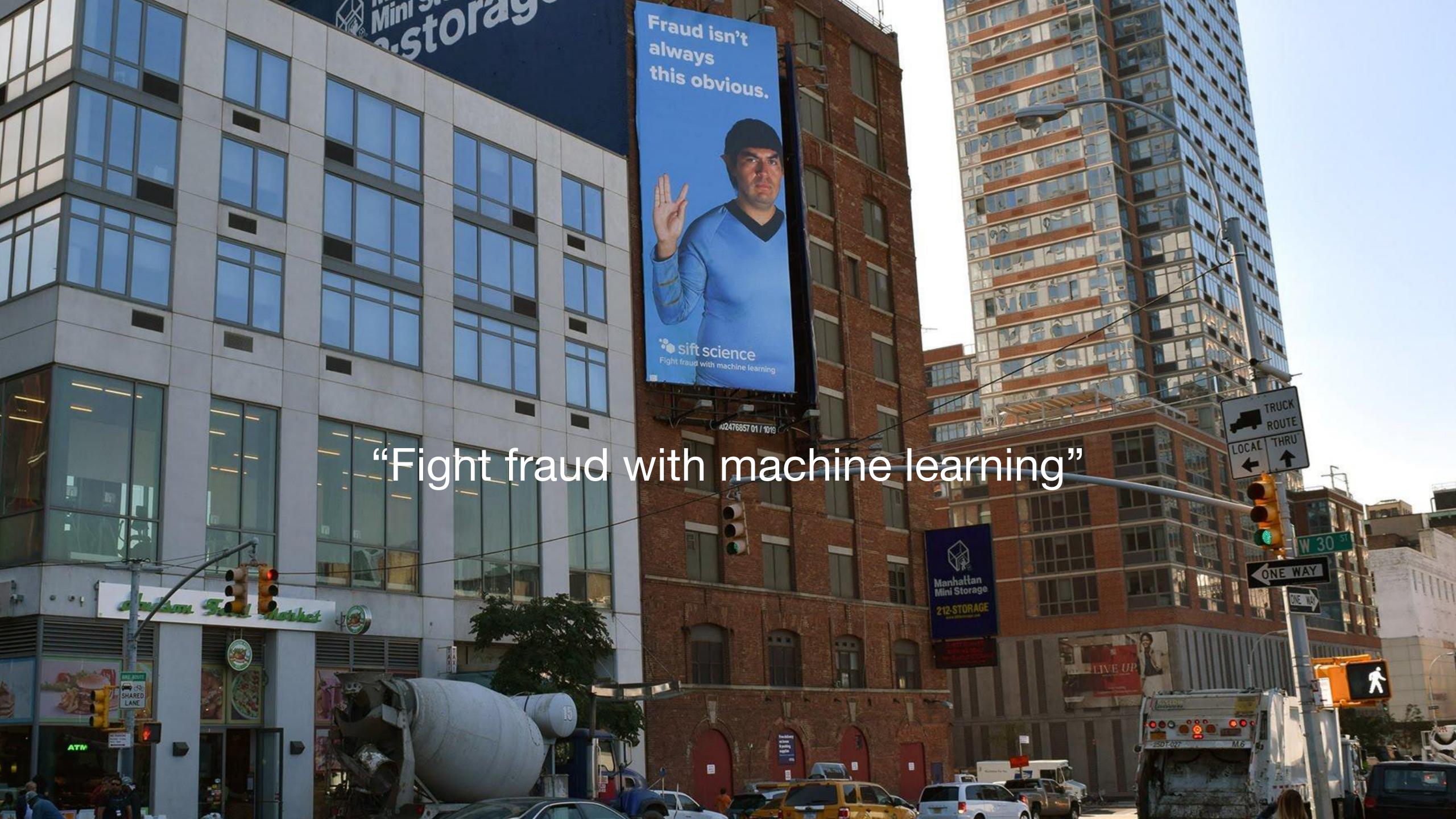
@HumanCoders #ML #workshop

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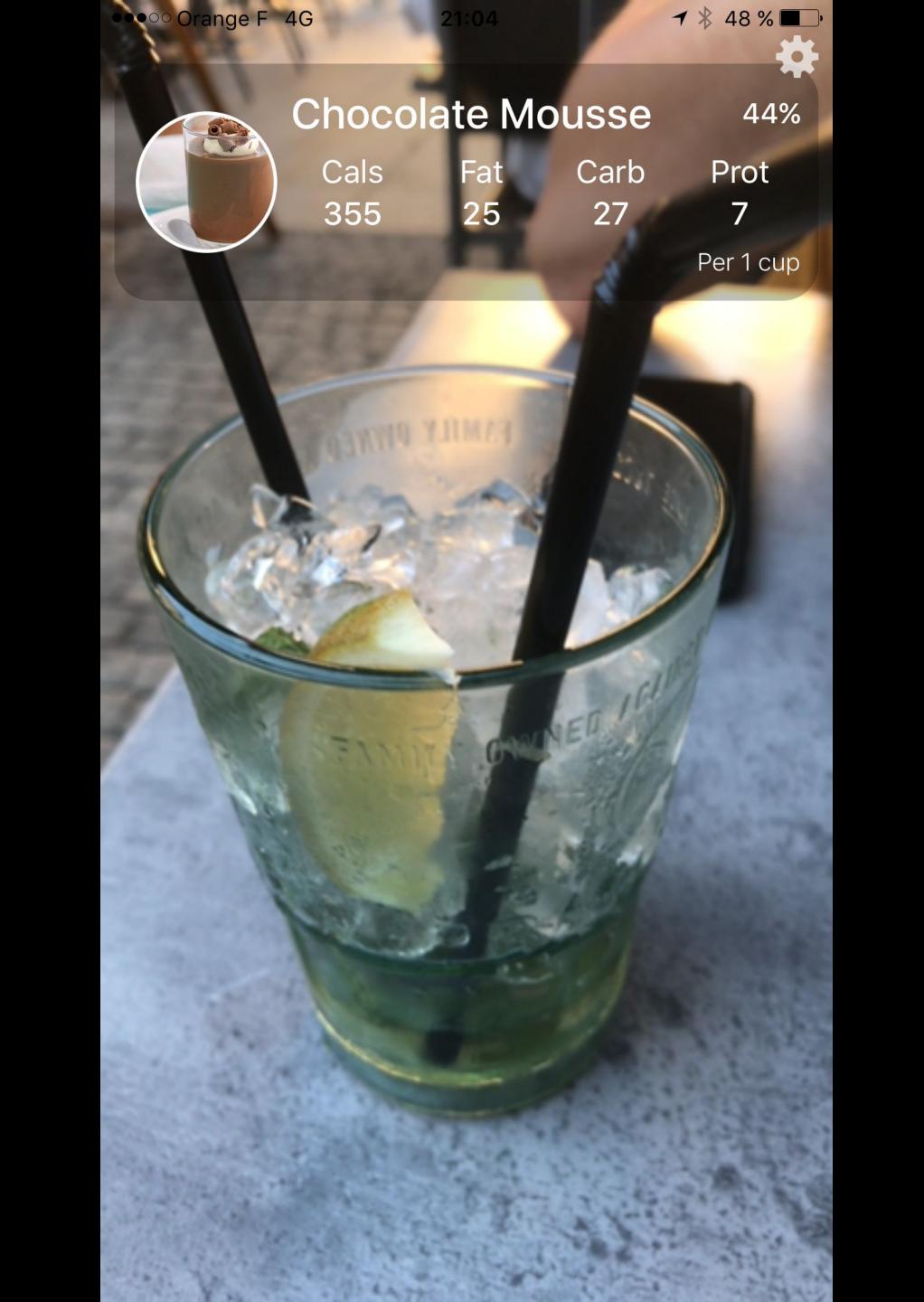
Gartner Hype Cycle for Emerging Technologies, 2017





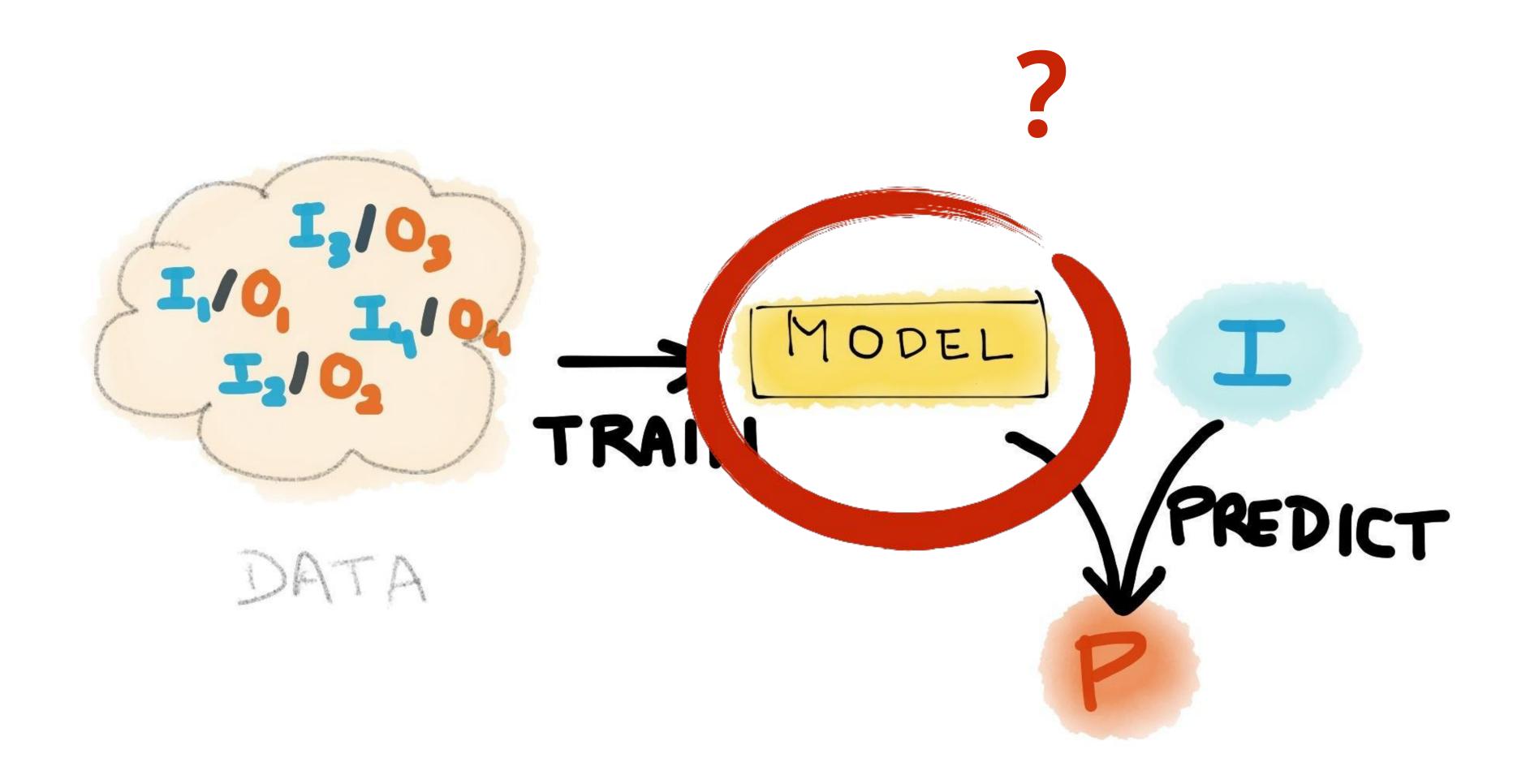






last column = output (by convention)

Bedrooms	Bathrooms	Surface (foot²)	Year built	Туре	Price (\$)
3	1	860	1950	house	565,000
3	1	1012	1951	house	
2	1.5	968	1976	townhouse	447,000
4		1315	1950	house	648,000
3	2	1599	1964	house	
3	2	987	1951	townhouse	790,000
1	1	530	2007	condo	122,000
4	2	1574	1964	house	835,000
4			2001	house	855,000
3	2.5	1472	2005	house	
4	3.5	1714	2005	townhouse	
2	2	1113	1999	condo	
1		769	1999	condo	315,000



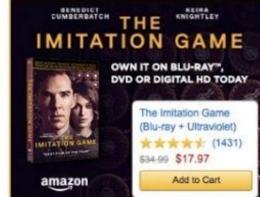
ML and Al are everywhere

Amazon for David Jones (od jones, see source)













Recommendations for You in Health & Personal Care







More Recommendations for You See more



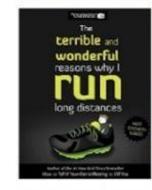


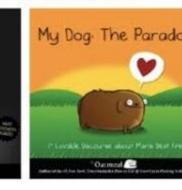






More Items to Consider See more











amazonfresh Fresh Organic Produce



April Birthday? Shop Amazon Gift Cards

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CM4 Smartphone Wallet Cases See more















Wearable Technology

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Hirt's Baltic English Ivy 8... **京京京京** (22)



Hirt's Strawberry & Cream **培育市** (56)



Black Gold 1310102 8-Quart प्रेमेप्रेमेप्र (13)



Burgundy Rubber Tree Plant

Page 4 of 10 Start over

अमितिकेट (41)





















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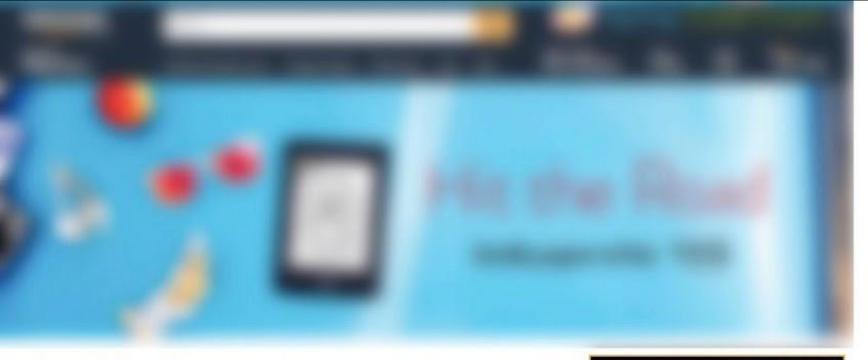
Amazon Home Services

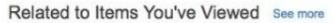
AmazonSupply

> See all



Amazon for David Jones (@d jones, see source)











Recommendations for You in Health & Personal Care







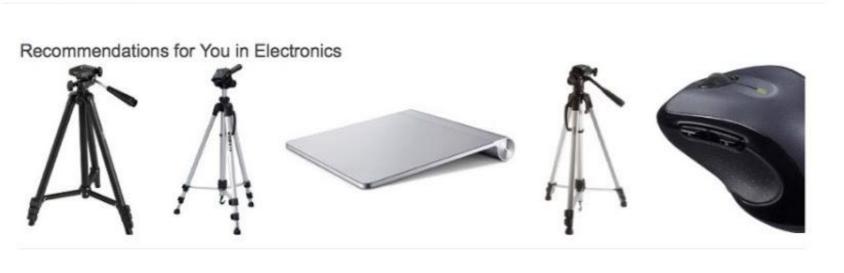
More Recommendations for You See more



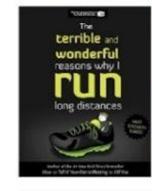






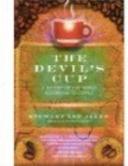


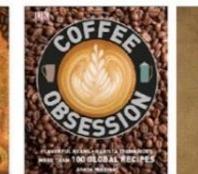
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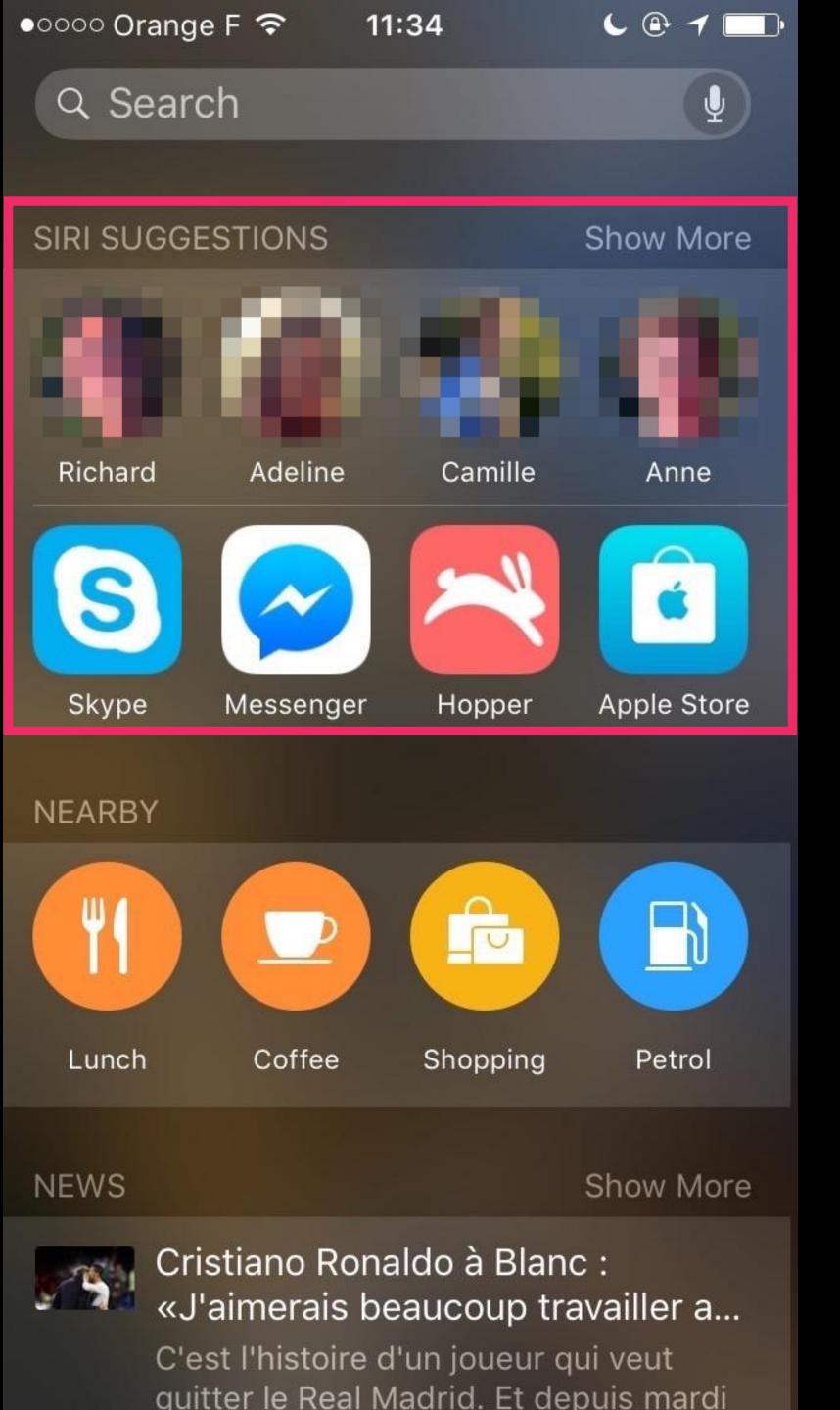


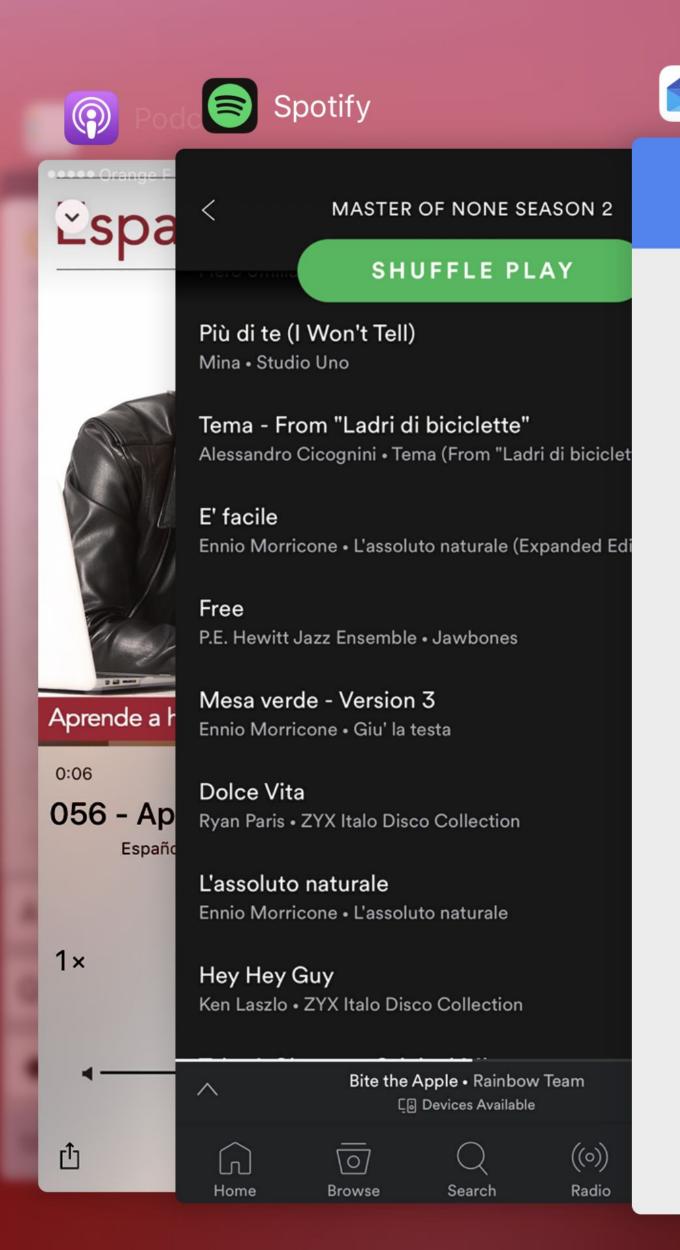


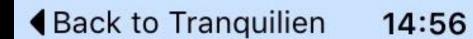




















PAR - BUE Jun 1 – Jun 17



You should keep watching this trip.

You will be notified when deals are available or prices start to rise.



Watching

Price Prediction



Today until Apr 7

Prices will vary over the next 4 months, dropping as low as 671 € (savings of **70 €**).



Apr 8 - May 26

Prices will probably rise about 86 € after April 8.



May 27 - Jun 1

Prices are expected to climb at least **438** € after May 27.





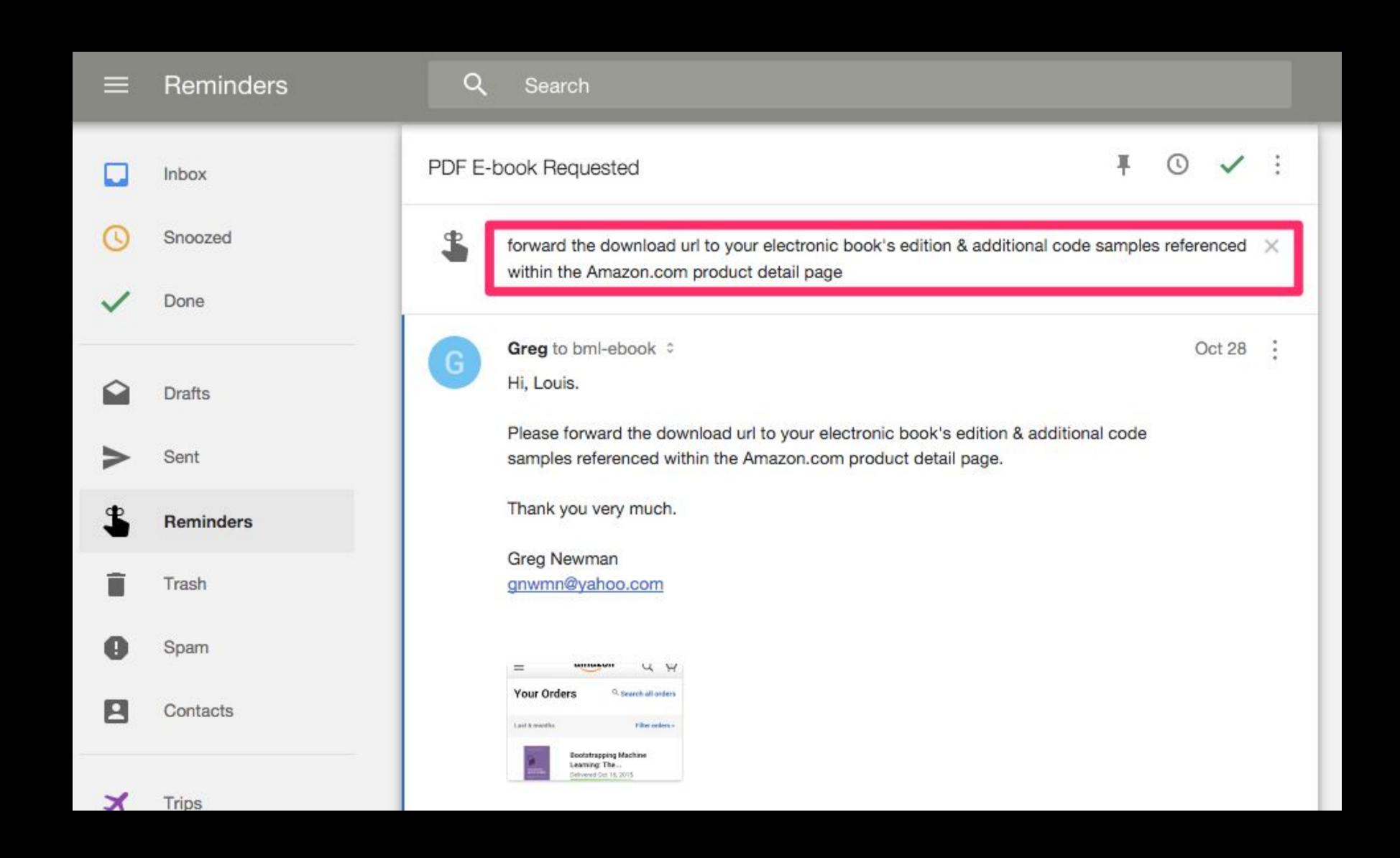


Tips



Dates

Flights



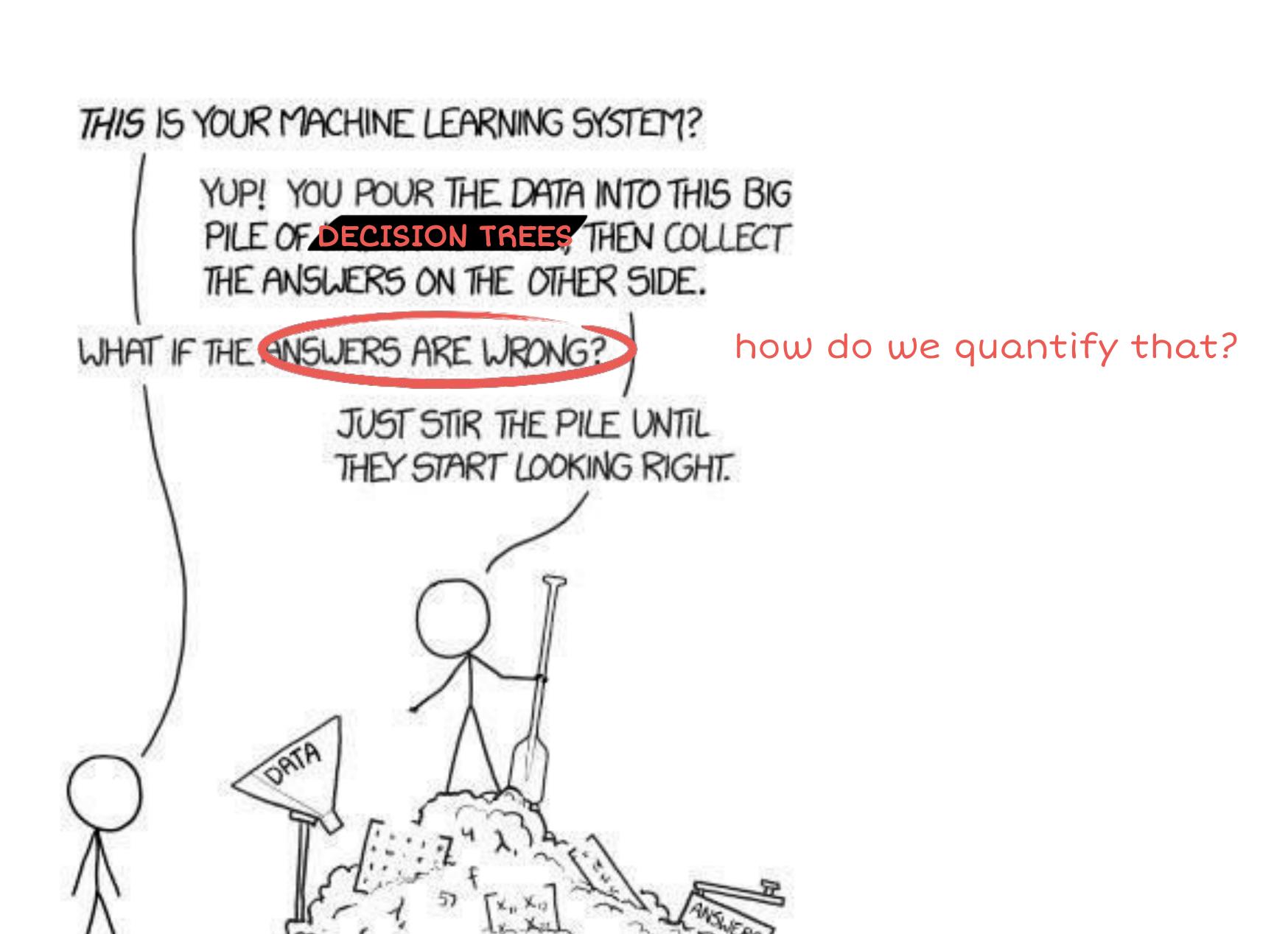
What do developers *actually* need to know about Machine Learning?

Which algorithms do you need to know?

- Do we Need Hundreds of Classifiers to Solve Real World Classification Problems?
- Random forests most likely to perform best
- Based on decision trees
- Implemented in all ML tools

How much do you need to know?

- Intuitions what makes learning possible?
- High-level understanding of learning algorithm
- Main parameters
- Possibilities and limitations



Model evaluation

