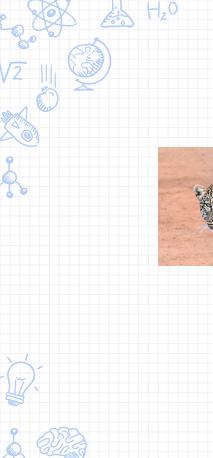
5th HVM New Materials
Conference Summit
Cambridge, UK 6-7
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www.cir-strategy.com/events

What's wrong with Machine Learning?





HELLO! I am Mike Handley

We are a spinout from Cambridge University with unique cutting edge data science tools



10 bilifort years of clata

Our PolyChord tool successfully extracted information from a data set this large, and was invented by two Cambridge Astrophysics professors



Thinking about AI and Machine Learning...how did this happen?





Machine learning is stochastic, not deterministic.

Stochastic

Stochasticity plans for the natural event of chaos & uncertainty. In stochastic environments there is always some level of randomness. Any games that involve dice are good examples.

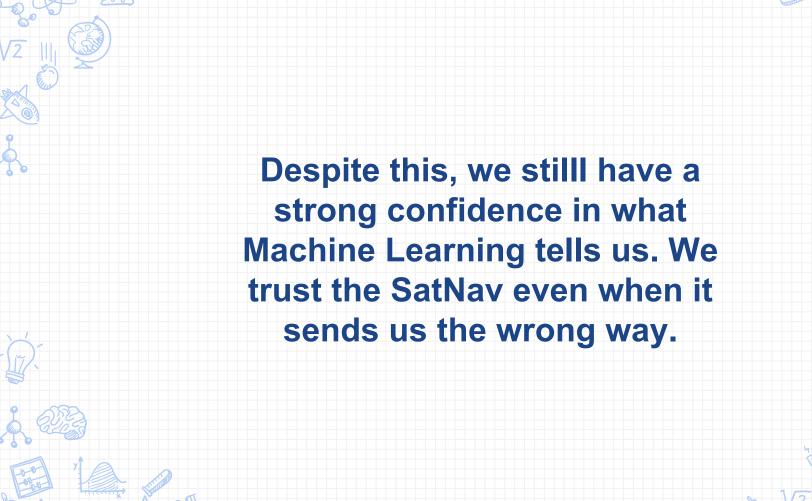
Deterministic

Deterministic model implies that given some input and parameters, the output will always be the same, so the variability of the output is null under identical conditions



What's more, if you ask Machine Learning a Question it will always give you an Answer It's not always the right answer though







.A woman followed her sat-nav into a lake CREDIT: ONTARIO PROVINCIAL POLCE

strong artificial intelligence

- * This involves computers thinking of the level that is the same as human model
- This presumes that computers can I go to an abstract reasoning and thinking
- This is not what we have today but it is what many people think we have



"Weak" artificial intelligence

- Machine Learning solve problems by detecting useful patterns
- Machine Learning maps one set of data against another to extract information
- Powerful tool the dominant method today
- Reasoning and thinking are not really part of it





THANK

S!

Any questions?

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