DATA SCIENCE + BUSINESS - WHAT WENT WRONG

MindCraft.ai SAD statistics

Consulting and its goals

Data + Science
CASE 1 - NO SKILLS, NO TOOLS, ONLY ENERGY

Inventing TensorFlow

Handwriting recognition

CAPTCHA smuggling
CASE 2 - HARDWARE SOMETIMES MATTERS

model that cannot be trained at all

1 epoch per week with no GPU server

Transfer Learning
CASE 3 - NOT EVERYTHING CAN BE MODELED

Fourier analysis problem

Hacking human ear

We hear and see illusion
CASE 4 - EXPLANATION MAKES TRUST

Research and Production data pipelines

Trends made the model not needed

Data corruption

Explanations takes 90%
CASE 5 - RESEARCH-OR-DEVELOPMENT?

Research is managed using development approach

No test lab
CASE 6 - SCIENCE minus DATA

team, architecture, timelines, budgets

No data - using crap with no context

Not representative distribution

Cannot scale

Why isn't the House Intelligence Committee looking into the Bill & Hillary deal that allowed big Uranium to go to Russia?

...money to Bill, the Hillary Russian "reset," praise of Russia by Hillary, or Podesta Russian Company. Trump Russia story is a hoax. #MAGA!

The Republican House Freedom Caucus was able to snatch defeat from the jaws of victory. After so many bad years they were ready for a win!
CASE 7 - MARKETING BY TECHIES

Do UI - then research

All is needed is size and roof orientation

Scaling on power plants
WHO IS IN CHARGE

former analyst

former scientist

former software developer

former student
WHO SPOILED THE DATA

- We represent only part of world - rest is an error
- People are perfect generators of errors
- Software developers
- Executives (data interpretation)
- Machines (activation function heals and/or add a new problem)
GOALS AND TARGETS

Correct metrics

Distributions as variables

Quantum effect and Uncertainty principle
PROJECT MANAGEMENT

Business analysis

Agile and 80/20

Project Manager - do you have all needed skills / tools?

Are you ready for negative PoC?
Das ist MindCraft

Decision-making Engines for Data-driven Businesses, especially:

- Document and Web pages Classification, Capturing (NLP, CNN, CV, NER)

- Price Prediction and Prognosis

- Command Centers for IoT systems (Time Series, Anomaly Detection)

- Computer Vision and Object Detection

- Data Analysis and Generation