



OBJECT COMPUTING  
HOME TO ALYCE

Mythbusters Episode #2:

# Dashboards will save your business



## Meet the Speakers



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Jimmy Moore



**OBJECT COMPUTING**  
HOME TO ALYCE



# Today we'll cover

- Top 9 uncensored learnings!
  - Dashboards → the trick to shifting cognitive load from human to machine
  - Stories from several real use cases

# New Value Always

IF IT  
DOESN'T  
*Challenge*  
YOU IT WON'T  
CHANGE  
YOU

A wooden boat is beached on a sandy shore. The background features a clear blue sky and a calm blue ocean. The text is overlaid on a dark grey rectangular background.

The world is changing very fast.  
Big will not beat small anymore. It  
will be the fast beating the slow.

Rupert Murdoch

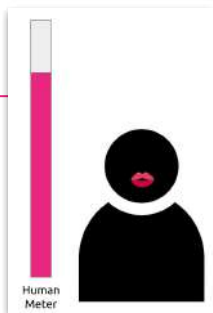
# Predictive Insight Is the Future — Lean In





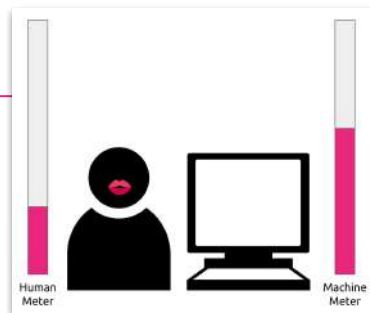
## Collect

Aggregation, QC



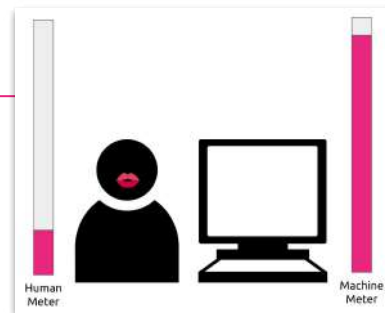
## Organize & Understand

Insights



## Prescribe

Outliers & Action



Cognitive load shift from human to machine



Pivot Point

Demand More For  
Ourselves

What We've Always  
Done





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# Uncensored Learnings



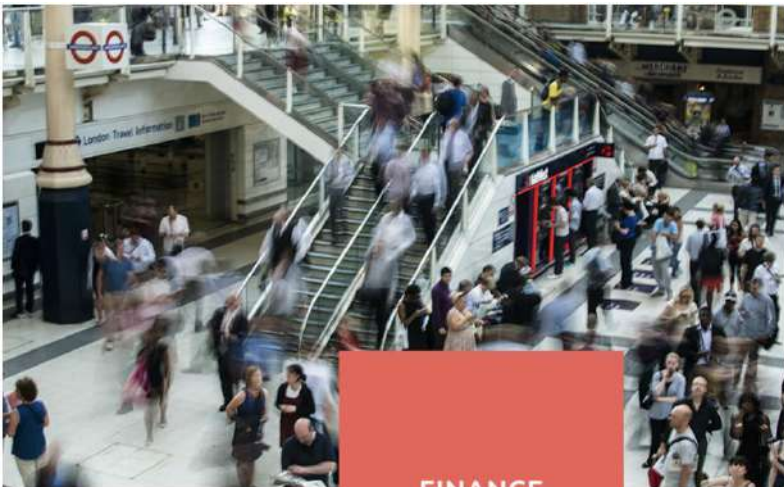
# #9

Show me everything and I'll figure out  
what to do... yeah right

*Reduce human mental fatigue by getting hyper focused on your metric*

*Expose your outliers and actions to resolve... let the machine do the rest*





FINANCE

## Situation

- One of the largest & most sophisticated fintech companies
- Network and infrastructure issues response 100% reactive
- Time to resolution seen as an opportunity

## Data

- Massive data ... +100sM records per day
- Multiple sources....**many, many, many dashboards**

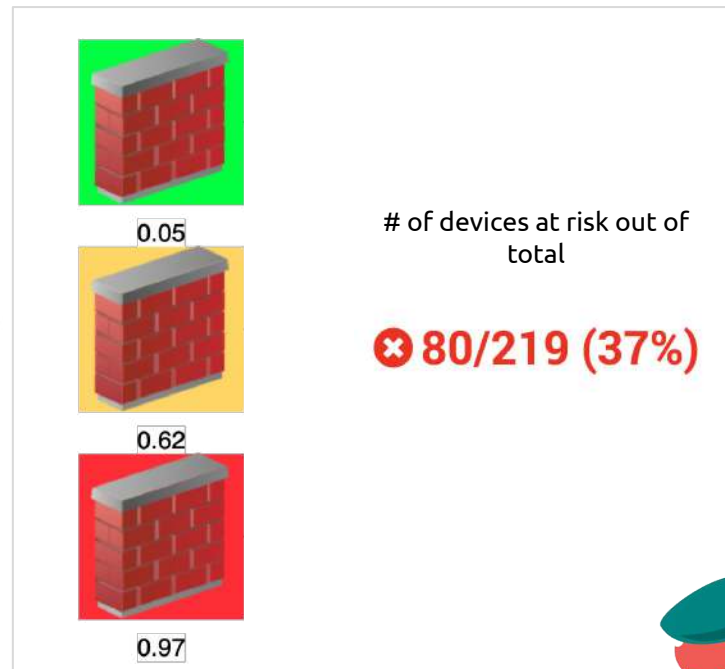
## Solution

- AI/ML model predicts & alerts ongoing issues
- Implemented playbooks that accelerated actions
- Even for a Fortune 500 fintech company AI/ML models & digital twins exposed major improvements in efficiency & effectiveness



From seeing everything.... & searching for problems after they occur

To seeing only the networks predicted to fail for proactive resolution



# #8

You may be looking at the wrong thing...  
sometimes the most relevant data isn't  
that recommended by the experts

*Getting to the specific data **predictive of the outcome** is key*





## Situation

- Keeping trains operating safely is super important
- All emergency stops need to be reported
- Root cause assessment was a laborious, manual task

## Data

- Data provided from a range of sources
  - logs, Excel, remote devices
  - **many, many, many dashboards**

## Solution

- AI/ML automation improved classification of root causes
  - simple, intuitive, fully automated, fast
- Key data source originally identified as the most relevant is no longer used
  - model demonstrated it was not important



From seeing everything ... including the irrelevant data



To seeing only the braking events & the exact root causes of why they happened



### Root cause descriptions for each event

Crew Error. PTC gave a sync error and crew did not acknowledge the prompt.  
Crew failed to acknowledge prompt for disengaged state.  
Loco went out of Sync and crew did not acknowledge warning.  
Train was overspeed, going 30 MPH train was approaching 25 MPH.



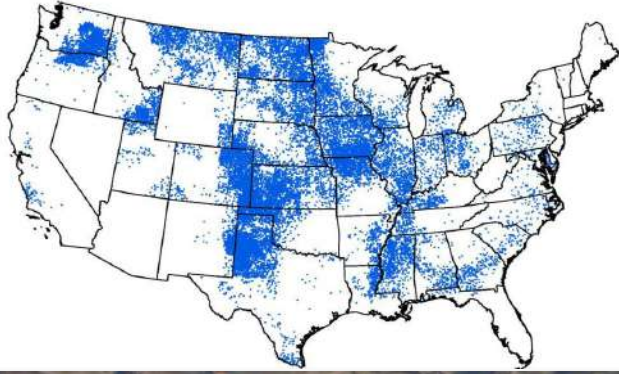
# #7

Insights will not just fall out even if  
you have enough data

*Center on the outcome & the most meaningful metric*







## Situation

- Collecting on-farm data into a central platform
- Pay per acre business model for premium services
- QC assessment was a laborious task

## Data

- Data provided from IoT on equipment devices  
→ **many, many, many dashboards**

## Solution

- Simple model & automation improved classification of grower operation 'readiness' for premium services  
→ simple, intuitive, fully automated, fast
- Pinpointed actions to drive resolution, and increase grower readiness & data in action



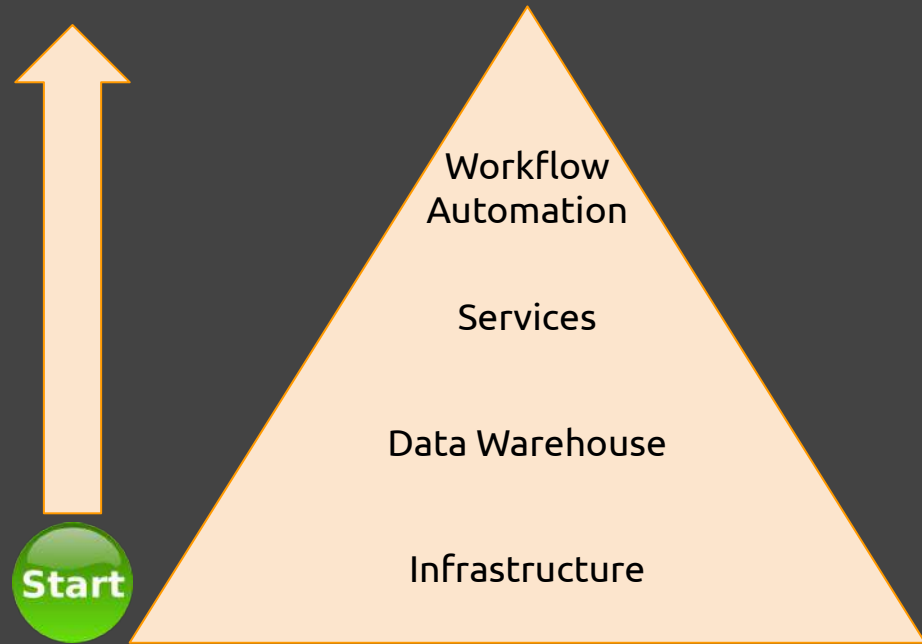
# #6

## IT can stifle or accelerate innovation

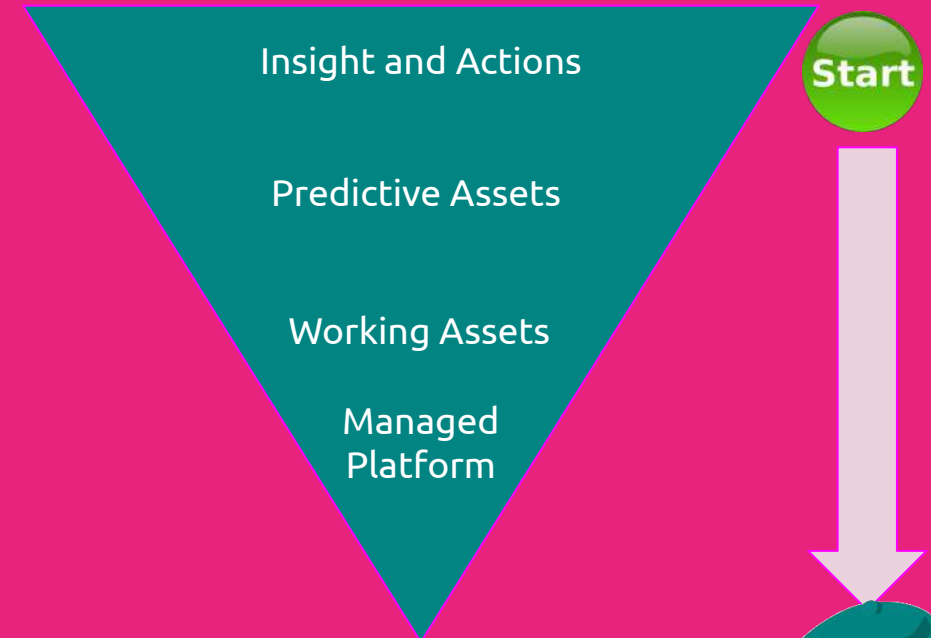
*Business focus first.....enabling tech that delivers the outcome*



## Old paradigm, starting with data management



## New breakthrough approach is to start at the finish line



# #5

Proclaim the highest order  
metric... & drive to  
eliminate what's in the way

*Get real.... expose and only look at the outliers*





## Situation

- Global field testing program - 100Ks plots, \$Ms
- Commercial product pipeline with launch timelines
- Timelines were often missed, planting late

## Data

- Data provided from many enterprise systems & local tools  
→ **many teams, many handoffs and dependencies**

## Solution

- Establish the highest order metric  
→ baseline today, set a cut-off
- Make organizational goal that everyone knows, cares about, and can repeat



# #4

Metric needs to be punchy,  
memorable, and contain a  
number





“

Don't be late  
for week 48

”



# #3

Almost always multiple  
challenges to solve... not  
just data





# Alignment of teams



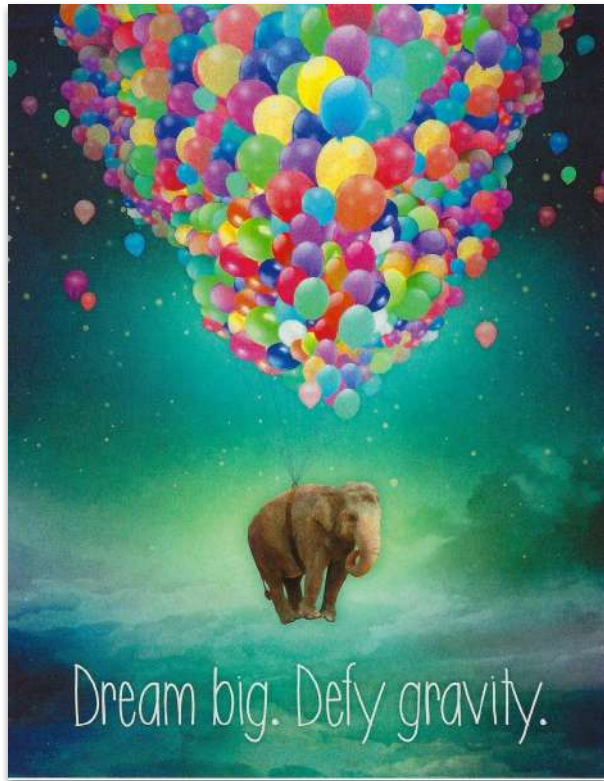
# Workflow processes



# #2

Empower each team  
responsible to figure out  
how to solve their own area





Dream **BIG** → personal  
unique contribution



Goals are unique to the team  
& individual and fits with the  
**BIG** outcome



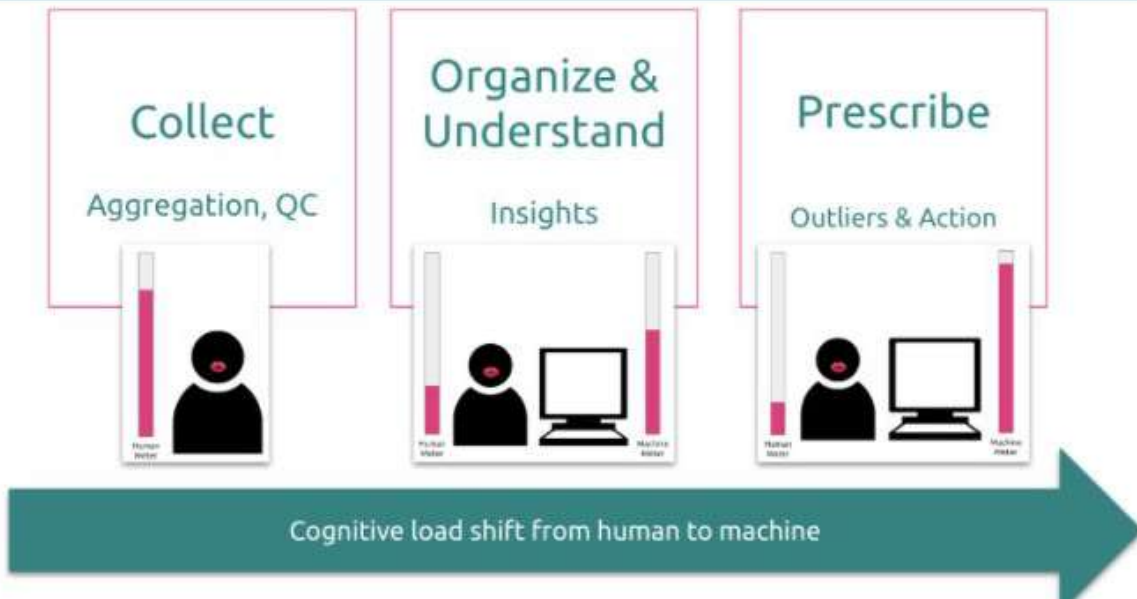
# #1

A dashboard is an  
intermediate step... stopping  
there says you lack ambition

*Center on your metric  
Focus then on the outliers & actions to resolve*



# next Big thing





**Thank You**

# ALYCE™

A L Y C E . A I

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