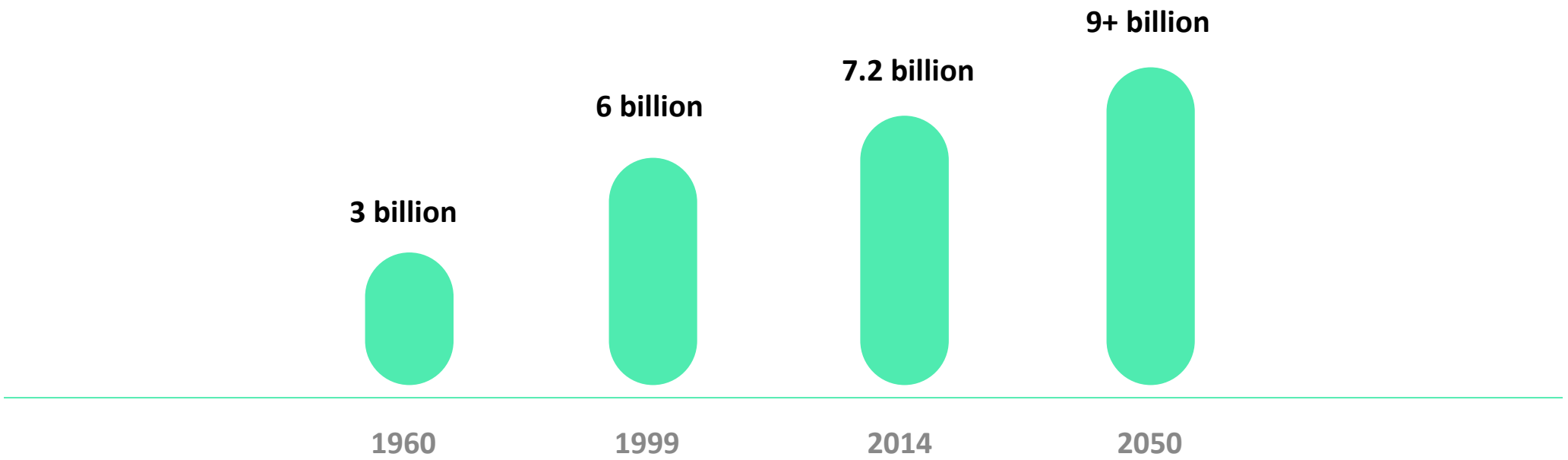
Evolution Through Intelligence



To nourish another 2 billion people in 2050, food production must rise by 60%.

Connecterra

4.2 **Billion** People

Will enter the mainstream consumer class by 2025 (up from 2.5Bn in 2010)

3000 Liters in 2014

The average water footprint of a typical consumer

Sustainable?

Sensors
Small and Cheap

Data Technologies
Zetabyte scale, billions of data points processed fast

Cloud
Low cost, high compute, GPU optimized for mathematics

A Perfect storm of technologies

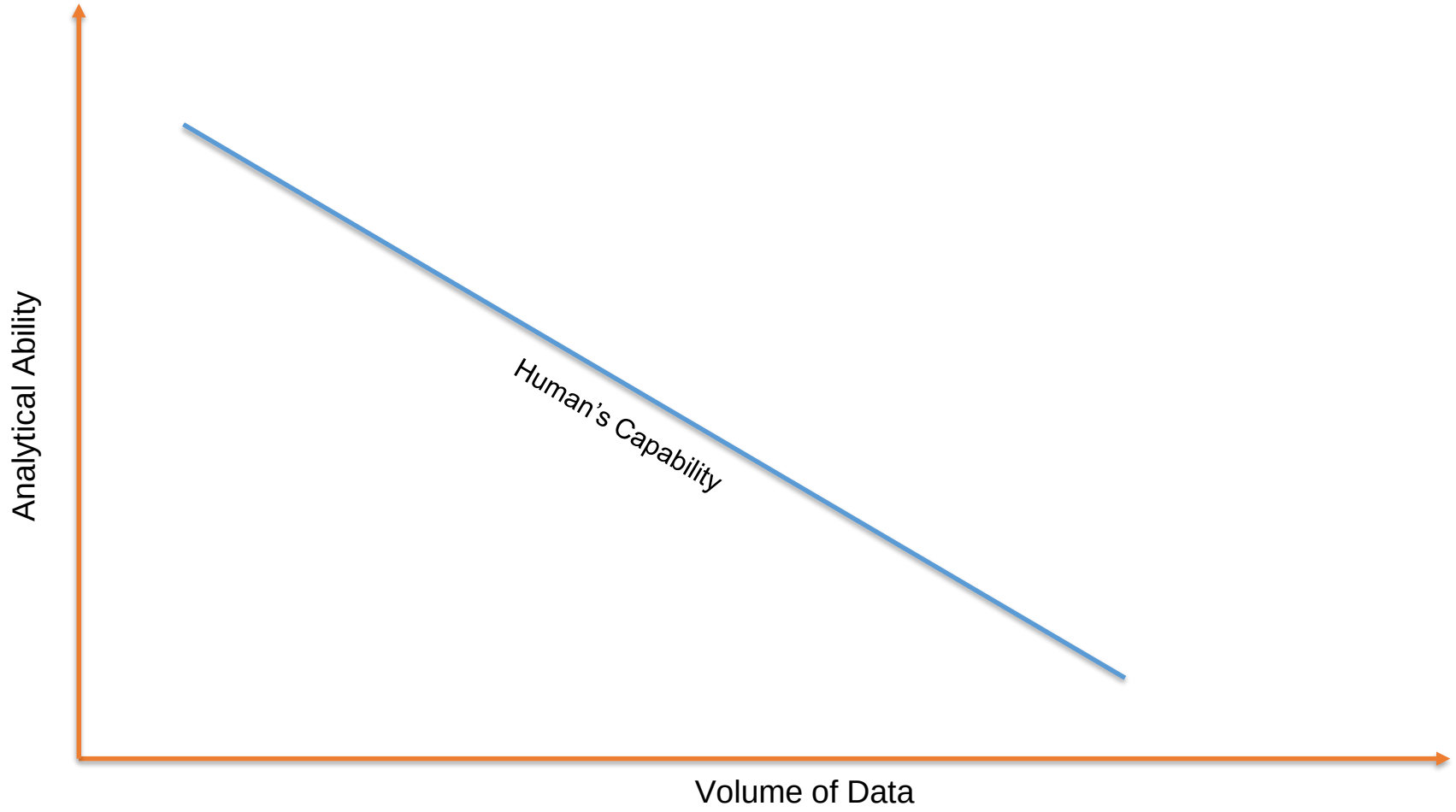
The advertising industry is well and kicking with over $1Tr of market cap

We don’t really need more data

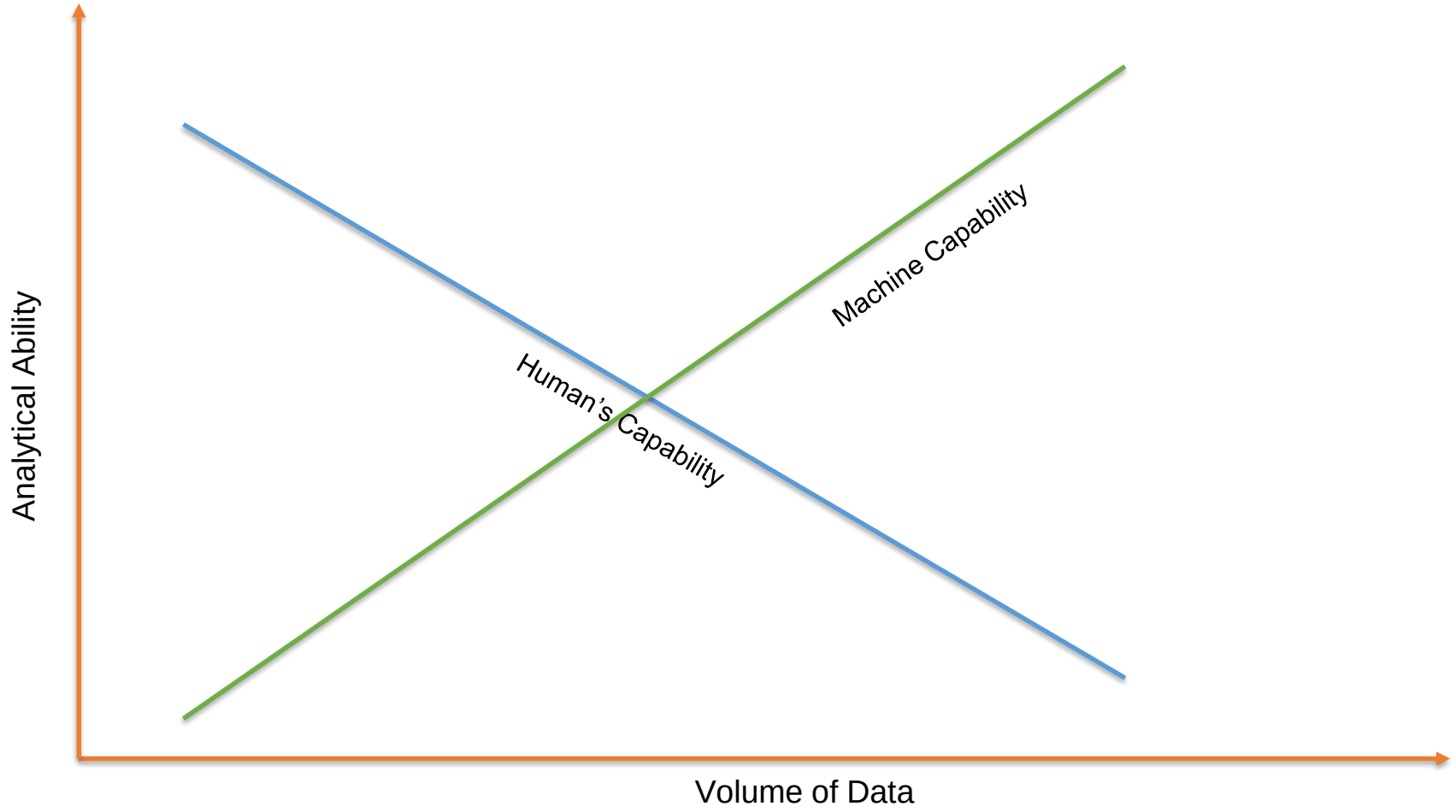
We need more insights

And insights need data; quality and volume

The Paradox of data analysis



The Paradox of data analysis



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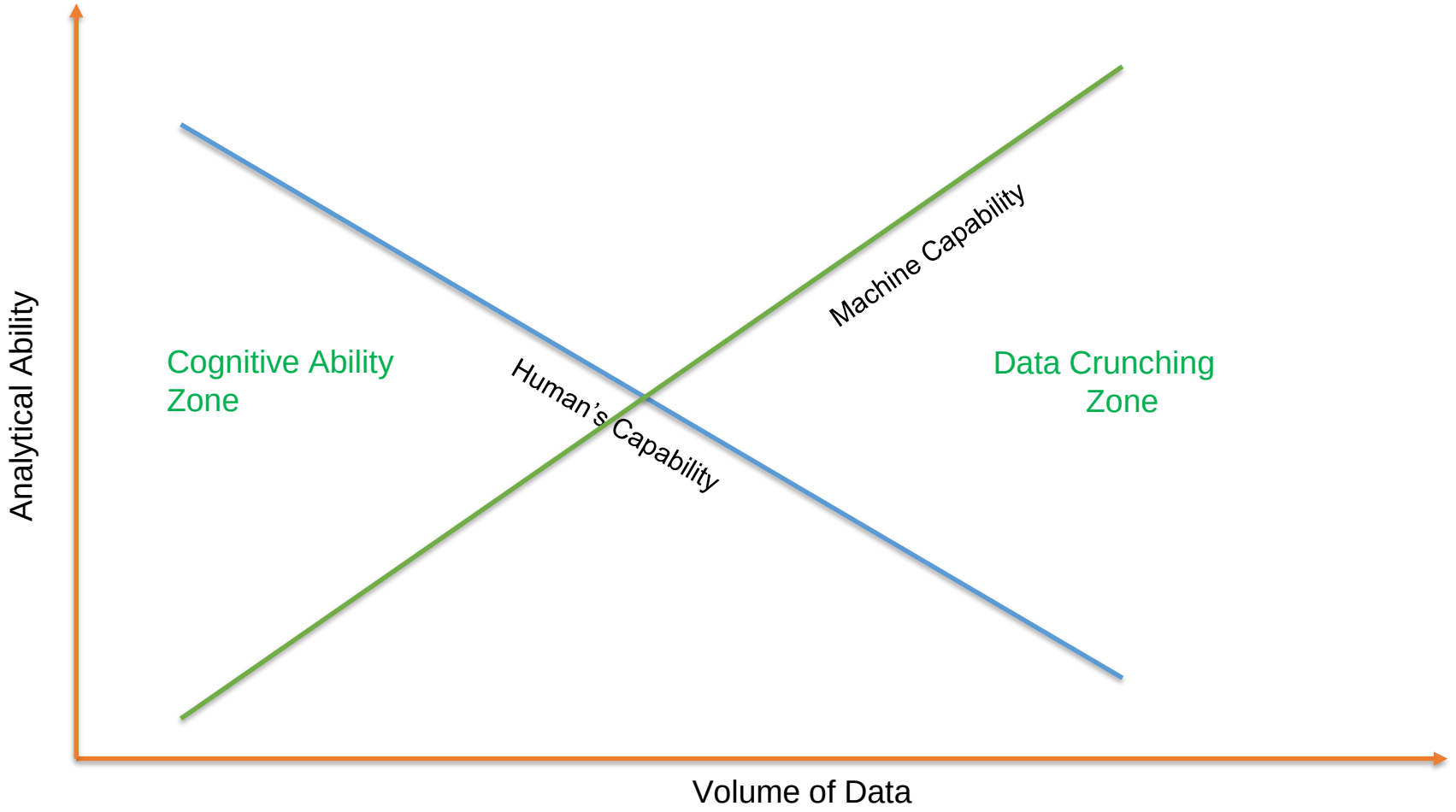

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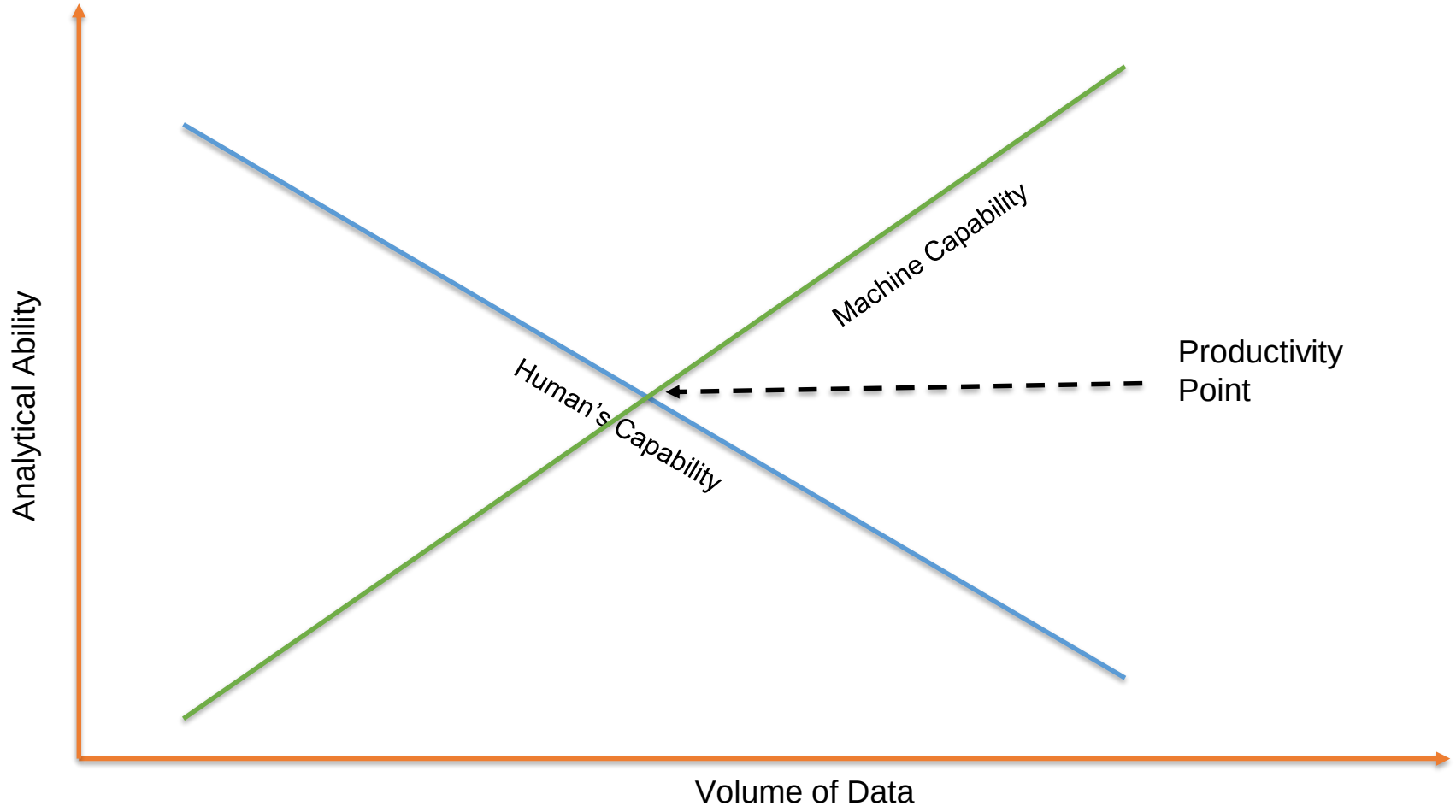
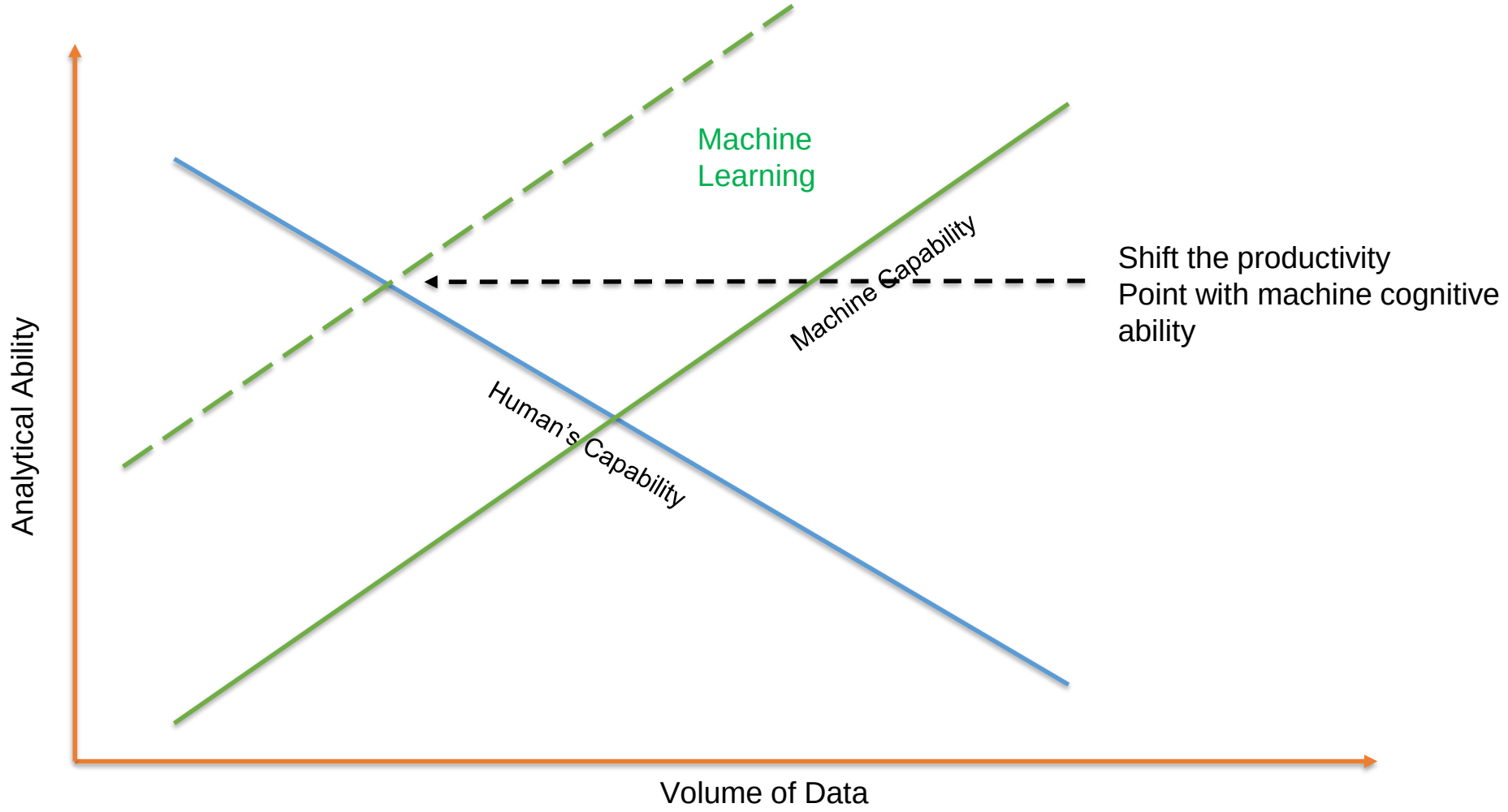
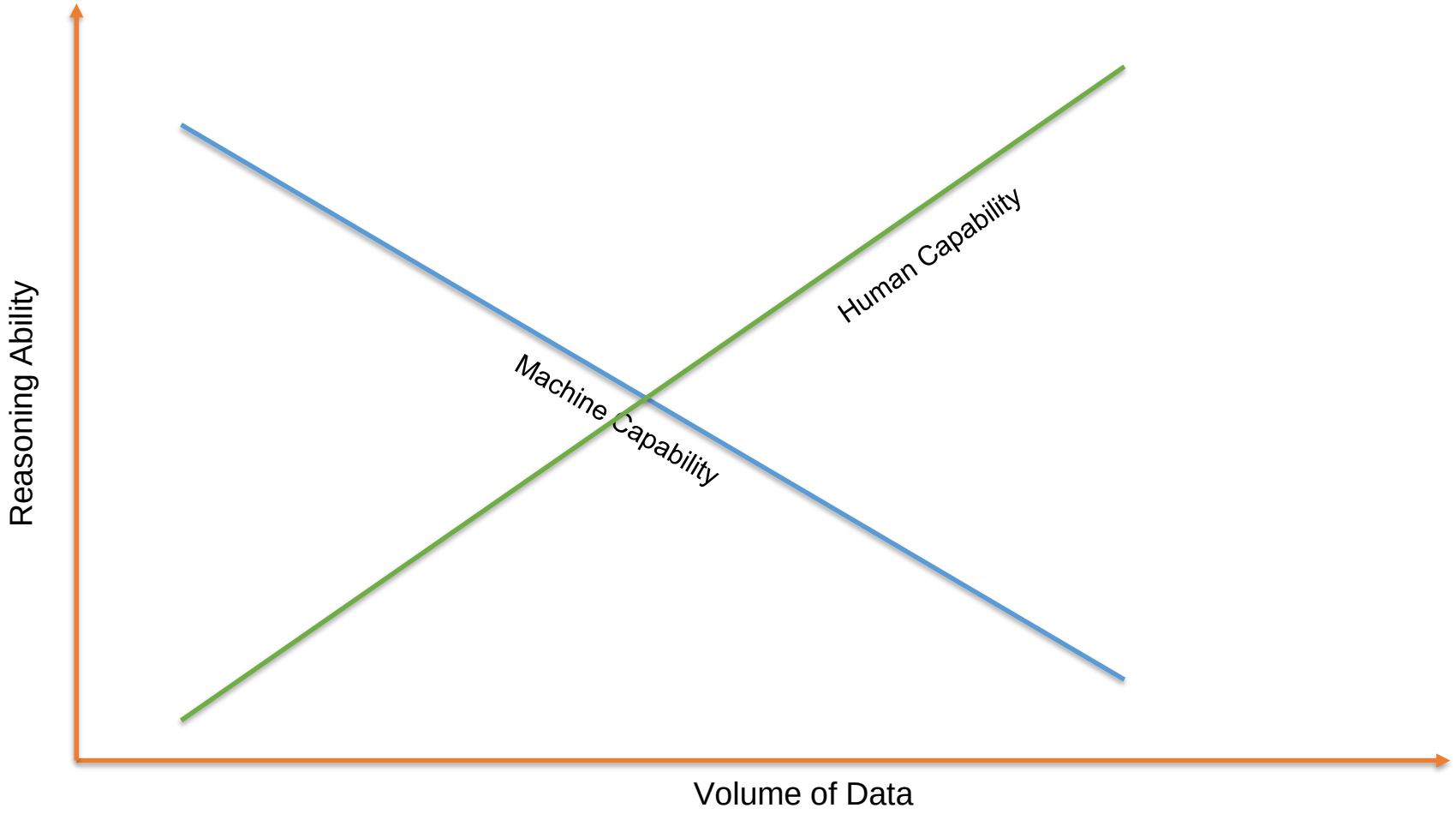


The Paradox of data analysis



But the trick is in asking the right question!



Process large amounts of data with reasoning ability = Insights

…..the year so far in the machine learning world

Connecterra combines the experience and intuition of humans, with acute sensors and the power of AI

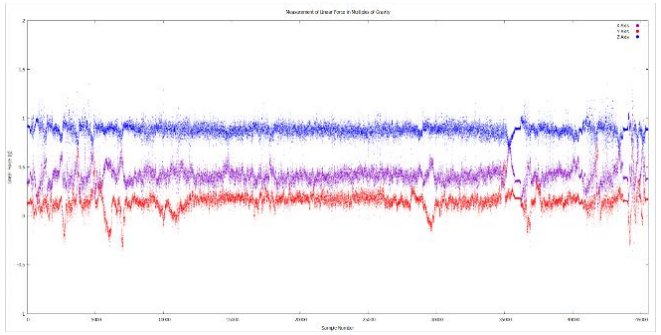
ida

surface mounted
DC port
standard cap
from Skiffy
light guide
combined with
surface mounted LED
area for screwdriver
to remove cap
NACHTSMID
Connecterra

Hi, my name is Ida,
I am a dairy farmer's assistant. I can learn about your farm and help you run a more efficient operation.

ida

Connecterra



Sensor Data

Insights

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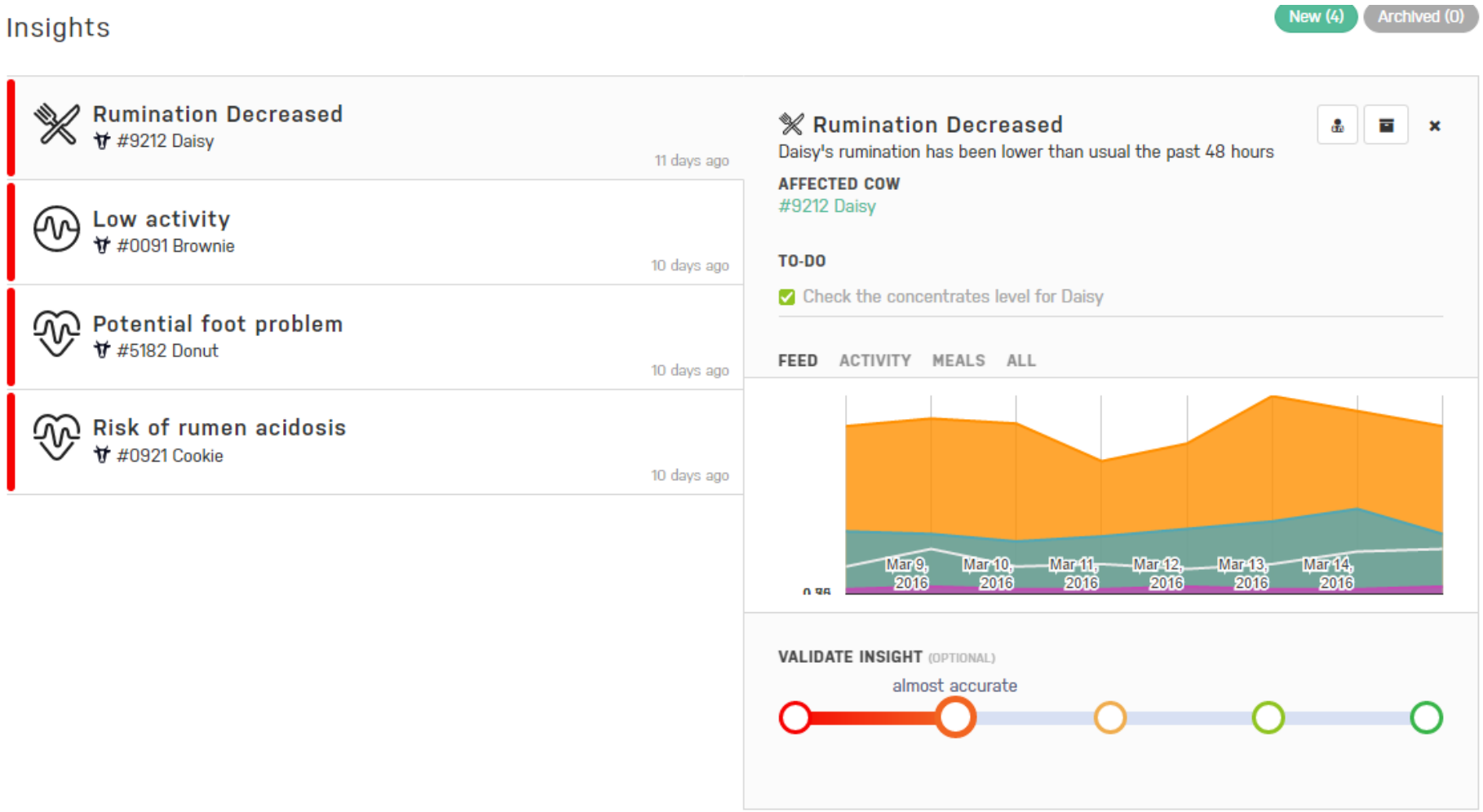
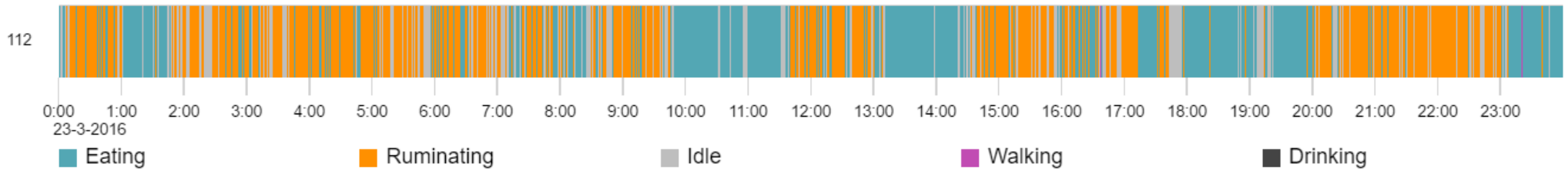
An example of what we found

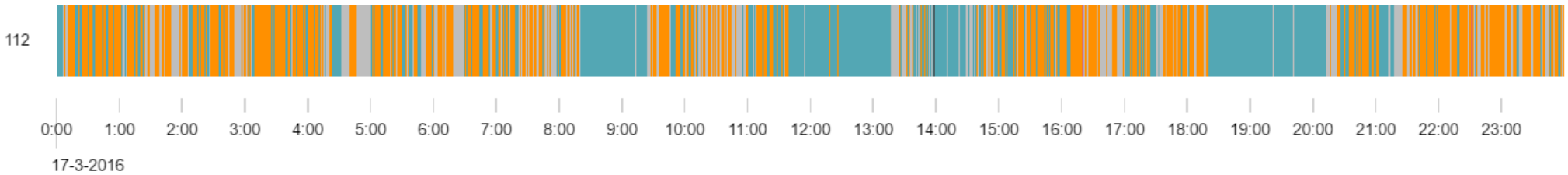


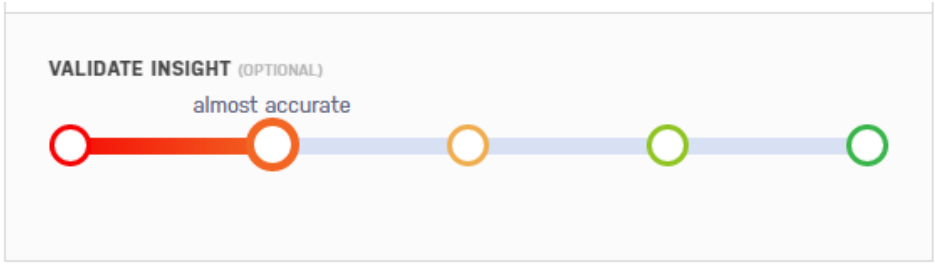
Farmer gives fresh food on 10:00 every day.
Pushes food back to gates in afternoon, 18:00 and 23:00.

Typical patterns for Daisy



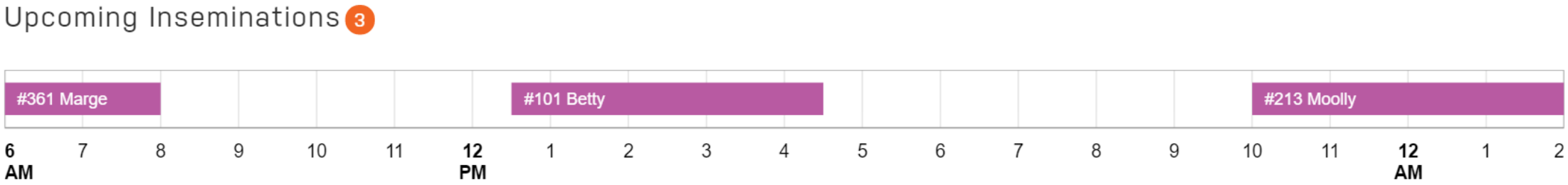
After a change in feed input





Including the farmer in the feedback loop creates cognitive ability of the system

A system that has cognitive awareness also has predictive capabilities



Predicting estrus cycles and optimal insemination time is based on the learning from past experiences

A system that has predictive abilities and massive scale gets better with multiple forms of data

Additional sensors

Financial Data

Partner Data

Help us feed the world by 2050,
Spread the word

www.connecterra.io

Thank you.