

Transition monitoring



Livestock Intelligence

Transition monitoring

The problem

50% of high yielding dairy cows will suffer from calving diseases such as methanolic disorders (ketosis, DA, hypocalcemia) and metritis.

1. Calving diseases drive significant loss in milk production, treatment costs and adversely affect future fertility.
2. Managing symptoms and not the problem:
 - a. Missing reported data such as what is happening during transition period and diagnosis's.
 - b. **Missing historical analysis capabilities**: analyzing the problems is not always available to the end user (farmer and data seeker such as Nestle).

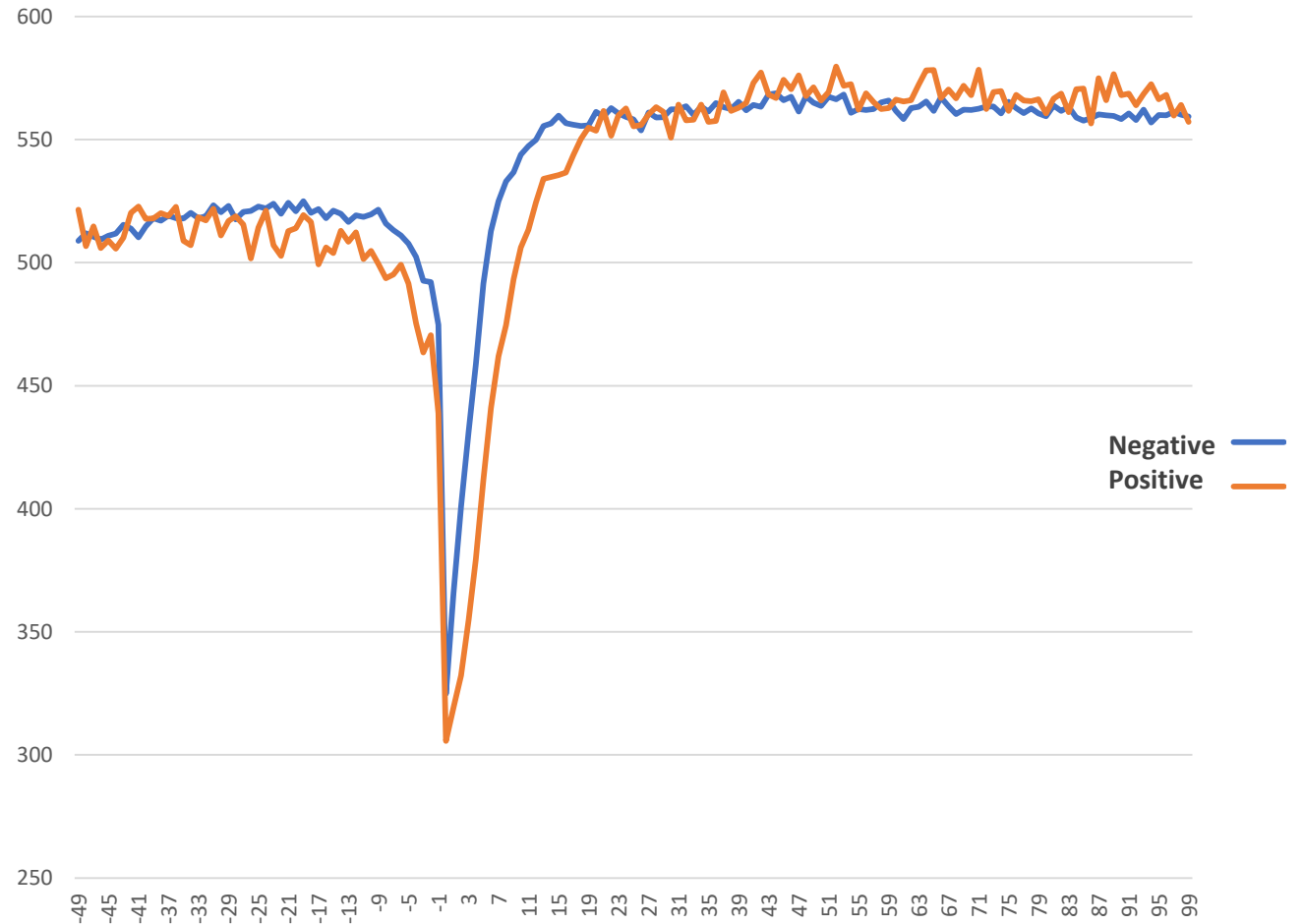
The solution:

1. Collecting historical data of both: behavior (tag data) and events (system and user reported).
2. Analyze the data and provide analysis:
 - a. Report/ KPIs.
 - b. Graph.

Transition monitoring

Ketosis diagnosed cows, 150 days rumination pattern:

- Specific pre and post calving rumination pattern for cows diagnosed with ketosis
- Health Index: animal that need a treatment.
- Herd view: improve the transition operation, preventive treatments

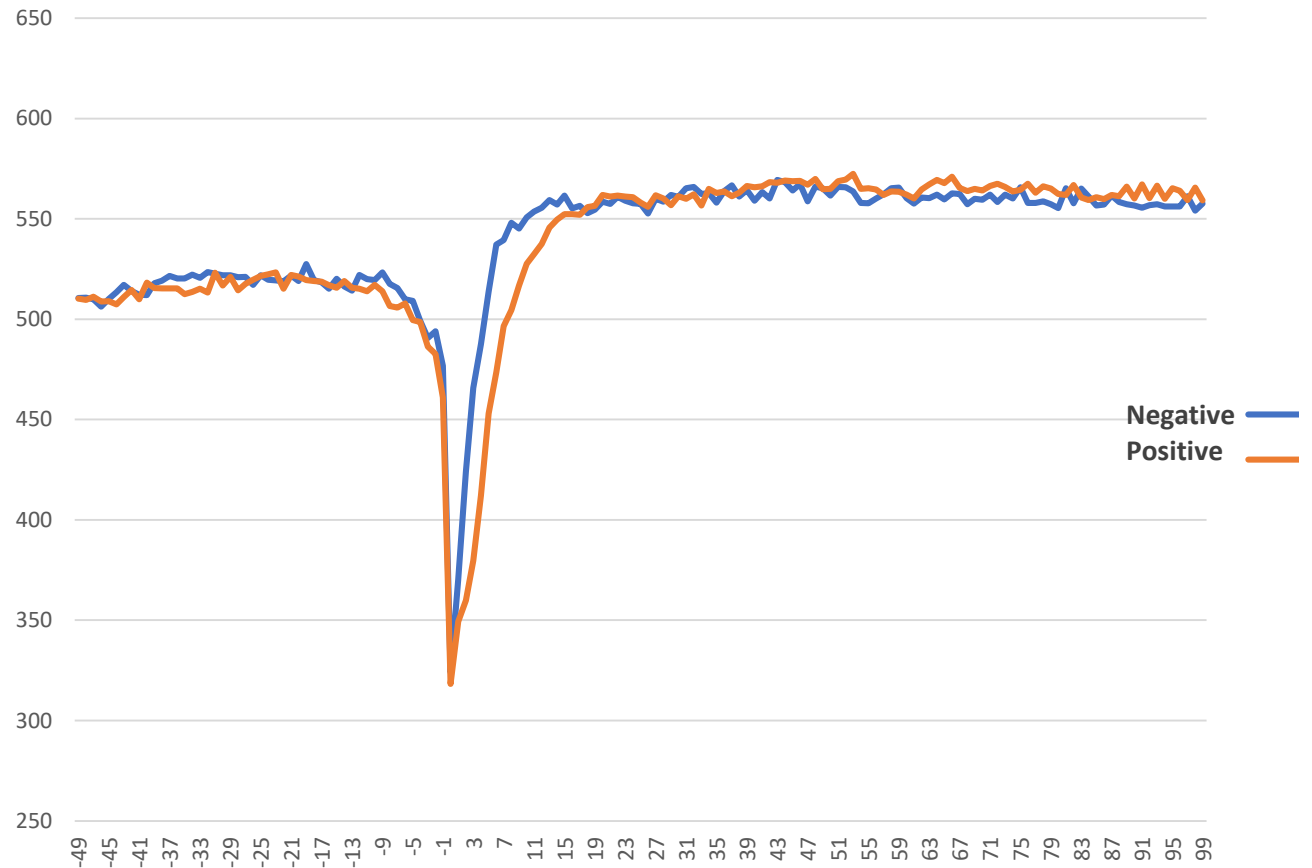


**212 diagnosed cows out of 1331 cows

Transition monitoring

Metritis diagnose cows, 150 days rumination pattern:

- Specific post calving rumination pattern for cows with metritis
- Health Index: animal that need a treatment.
- Herd view: improve the transition operation, preventive treatments



** 741 diagnosed cows out of 1331 cows