Friday, April 12, 2024
Time: 11:00 am - 11:30 am
Venue: Room 213 of Building 184

Meeting Attendees:
- Dr. Kristy Digiacomo
- Kaifan Ouyang
- Xuheng Li
- Yuqian Xie
- Harsh Mangla

Discussion:
1. Milk Production as a KPI: Assess trends and the **impact of lactation and feeding on milk production** to establish performance benchmarks.
2. Milk Efficiency: Evaluate **milk output against input costs** and milking process durations.
3. Ranking Cows: Identify factors for cow ranking, try to initiate the creation of a ranking algorithm, and arrange to refine the criteria.
4. Data Analysis Focus: Underline the importance of data analysis in decision-making, stress data integrity, and set predictive analysis goals.
5. **Milk Quality Assessment: Discuss milk quality parameters, aimed to integrate quality tracking.**
6. Introduction to **Rumination** Time: Introduced rumination time as a health and productivity metric, and committed to implementing monitoring technology.
7. Strategic Data Utilization: Anticipate using data strategically, and explore machine learning for health and production.
8. Terminology Documentation: Agreed to compile a terminology reference document.

Action Items:

1. Develop a ranking algorithm for cows.
2. Research additional milk quality sensors.
3. Obtain documentation for **Lely Horizon.**
4. Compile a glossary and articles document on key terminology.