

SUPPLY CHAIN ANALYTICS

By Mohan

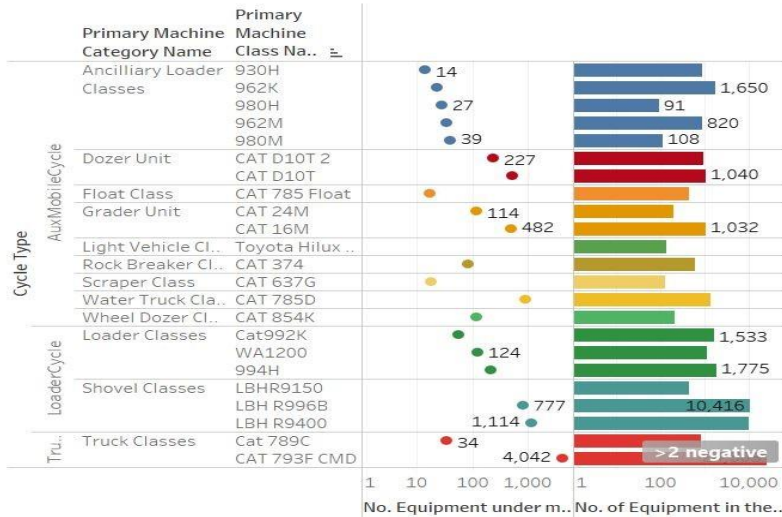
Supply chain Analytics Problem statement

Following task needs to perform to analyse or understand what is happening at ground level location:-

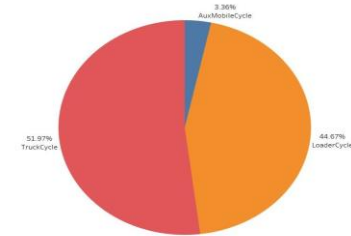
- Understand the problem faced by the mine and take an understanding of the data shared by the client.
- Since the client is not very tech-savvy, we need to prepare a cleaned dataset using the dataset provided by him.
- Analyse the data using the MySQL Workbench 8.0 and prepare a live tracking system using some set of dashboards using either Tableau or Power BI.
- At last, present the findings or key insights to your senior technical manager using a ppt of not more than 8 - 12 slides who wishes to understand the key workings of your analysis along with the insights derived out it.

Number of Equipment under maintenance

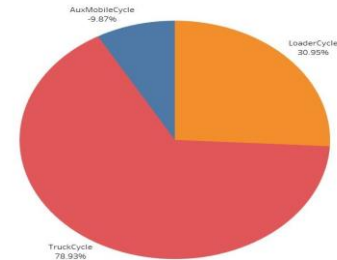
Number of Equipment under maintenance



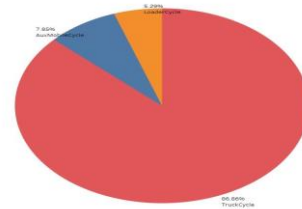
Availability



Performance

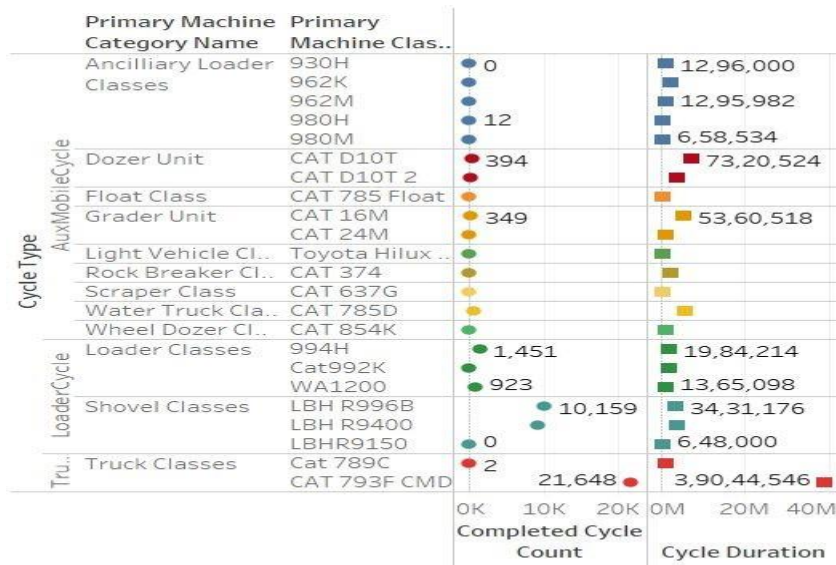


Quality



Equipment Analysis

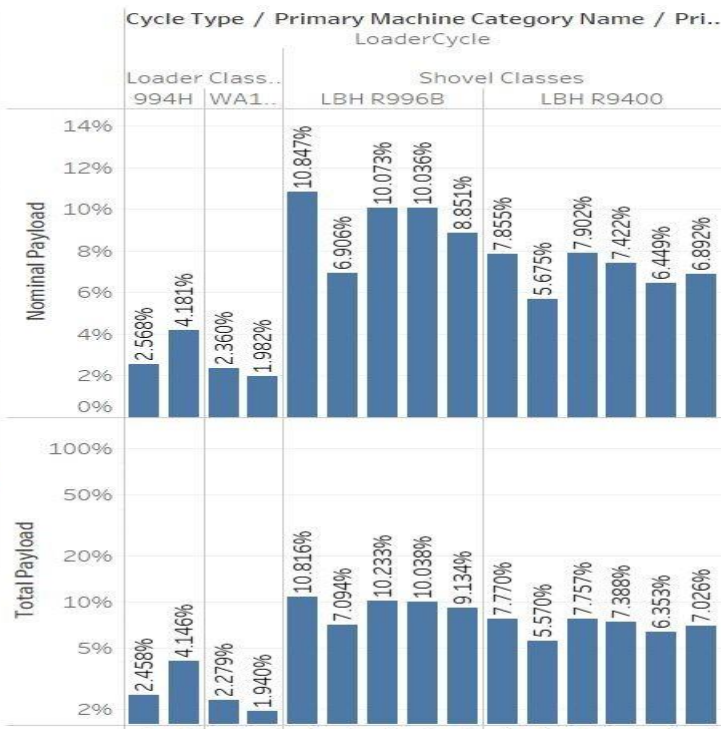
Cycle completed & Cycle duration



Cycle Type

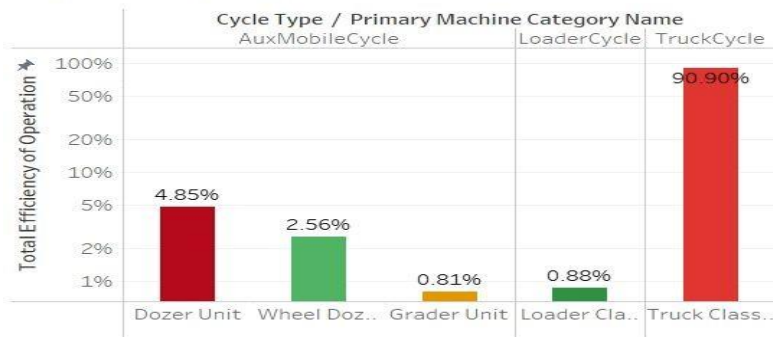
- ☒ (All)
- ☒ AuxMobileCycle
- ☒ LoaderCycle
- ☒ TruckCycle

Equipment Level Production



Efficiency & Accuracy

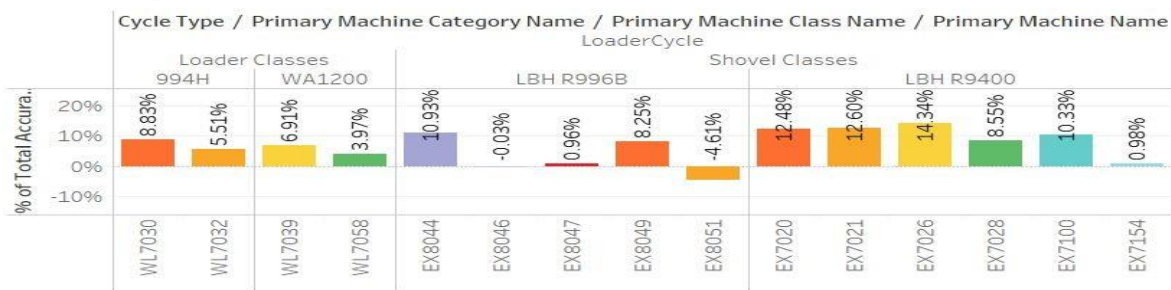
Efficiency of operation



Efficiency



Accuracy



Lowest Performing Equipments

Lowest Maintenance



Lowest Payload Trucks



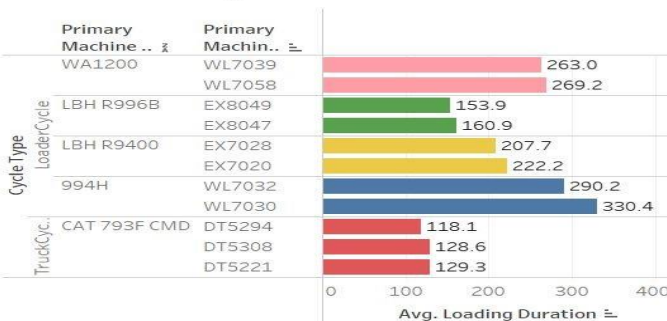
Trucks with Lowest Mileage



Lowest Efficiency

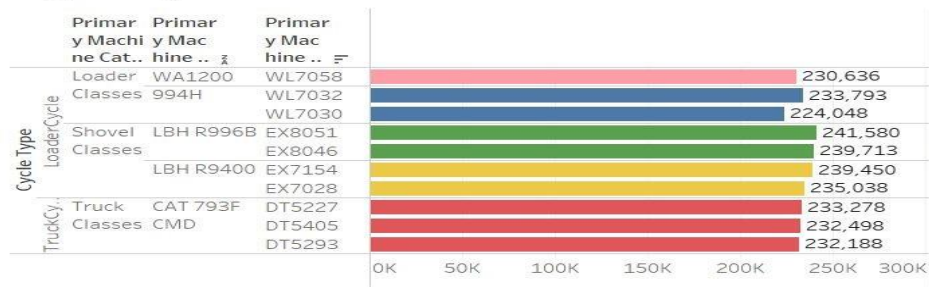


Lowest Loading Duration



Top Performing Equipments

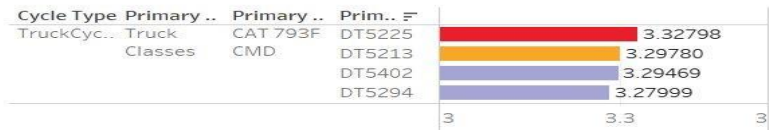
Highest Payload Trucks



Highest Loading Duration



Trucks with Highest Mileage



Highest Maintenance

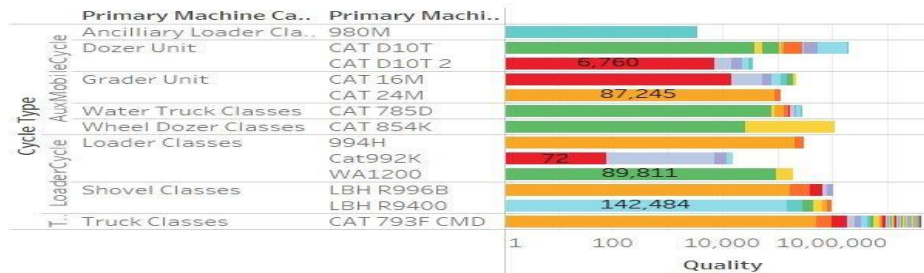


Highest Efficiency



Top & Low OEE Equipments

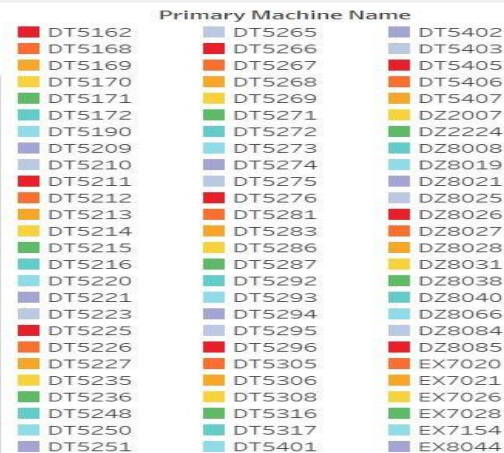
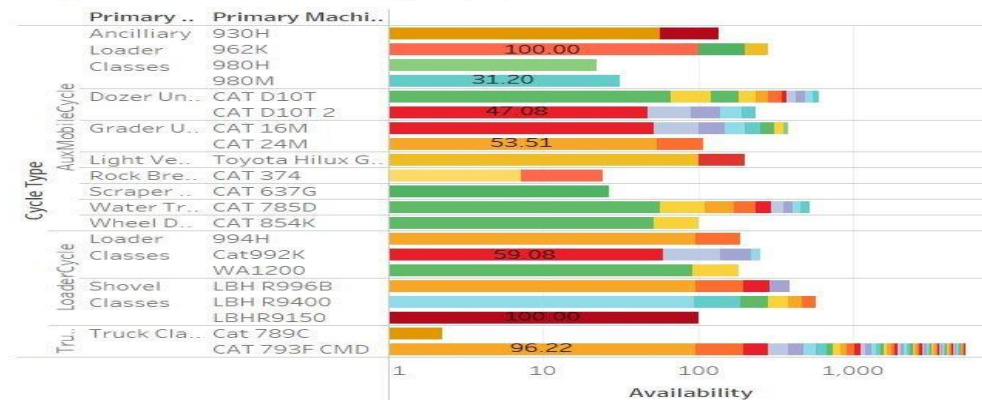
Top & Low Quality Equipments



Top & Low Performance Equipments



Top & Low Availability Equipments



THANK
YOU