

TABLEAU PORTFOLIO

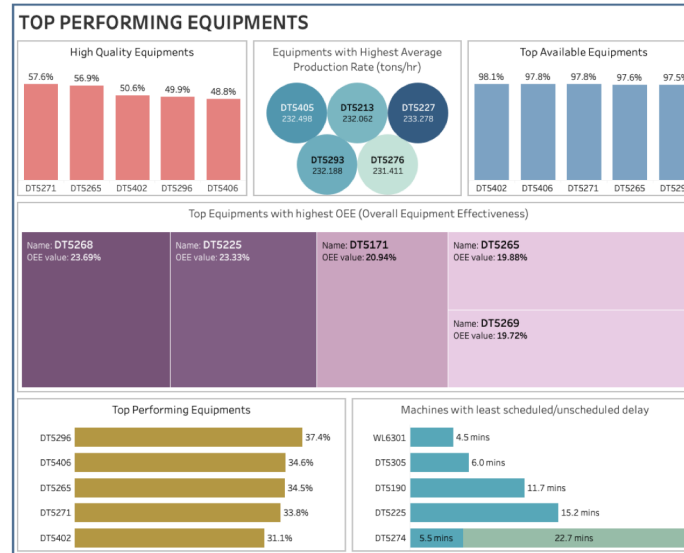
Prepared by
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SUPPLY CHAIN ANALYSIS

(CAPSTONE PROJECT)

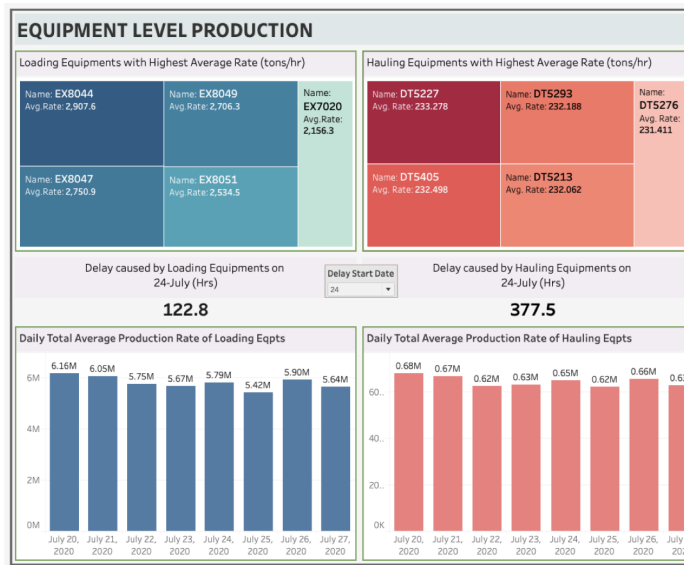
Build a smart live monitoring system using Tableau to understand the key metrics explained by the client and apply knowledge of supply chains to track inventory and quantity available and understand what is happening on the ground at each location.

The mine has operations such as the digging of ore and crushing of ore into a finer composition where this ore gets transported between the diggers and crushers using transportation trucks. The mine operators want to understand their tracking and operations on the field in detail.



Top equipments' list based on:

- Quality
- Availability
- Average production rate
- Overall Equipment Effectiveness metrics

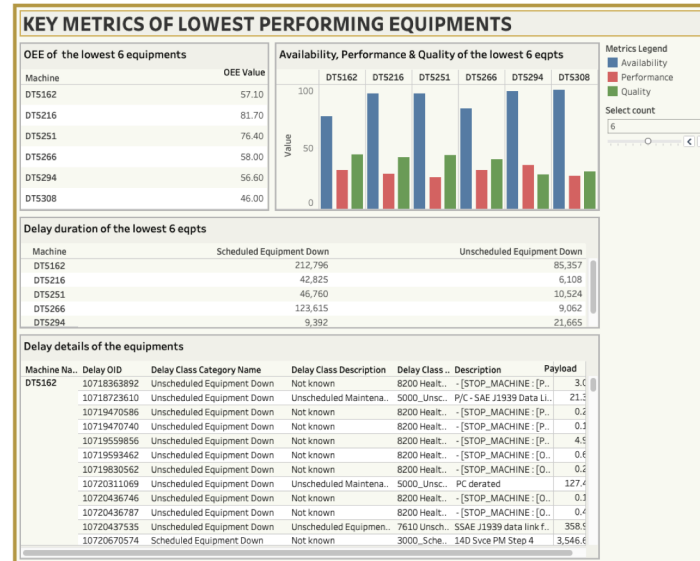


Equipment level production analysis on:

- Loading equipments with highest avg. rate
- Hauling equipments with highest avg. rate
- Loading eqpts with highest daily total avg. production rate
- Hauling eqpts with highest daily total avg. production rate

SUPPLY CHAIN ANALYSIS

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Analysis of lowest performing equipments based on :

- Overall equipment effectiveness
- Delay duration

EFFICIENCY, ACCURACY AND QUALITY OF EQUIPMENTS

Select Equipment: DTS169 Select Date: (Multiple values)

Key Metrics of DTS169 for July 20, 2020 & July 21, 2020

Machine	Availability	Quality	Performance	OEE	Delay in hours
DTS169	92.67	34.33	35.33	13.28	78.23

Movement data of DTS169 for July 20, 2020 & July 21, 2020

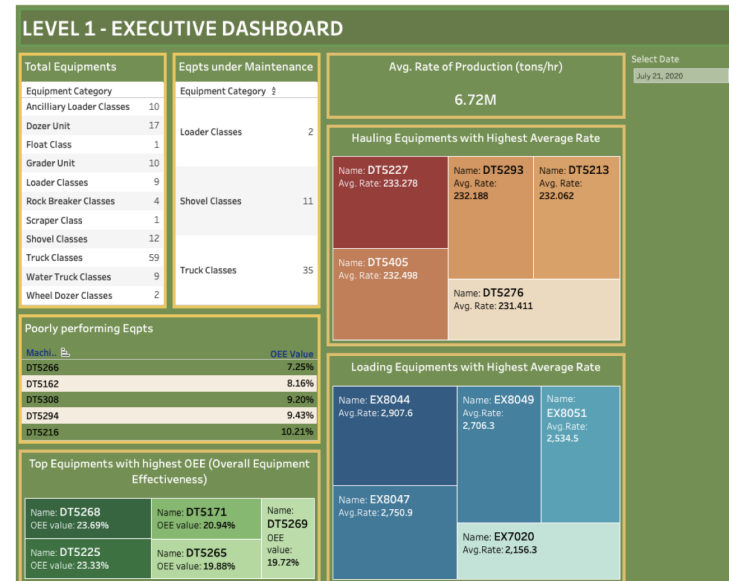
Movement Id	Source Location1	Destination Location1	
2158	DS_W55D	DS_PC3	233.6
2750	DS_H1C1	DS_PC3	232.3
4269	DS_H1C1	DS_PC3	250.4
5824	DS_W55D	DS_PC3	235.9
6022	DS_H1C1	DS_PC3	238.9
6026	DS_H1C1	DS_PC3	238.0
7949	DS_W55B	DS_PC3	242.8
9705	DS_W55B	DS_PC3	235.5
9600	DS_W55B	DS_PC3	226.8
12444	DS_H1C1	DS_PC3	255.0
12461	DS_H1C1	DS_PC3	233.9
15277	DS_W55B	DS_PC3	241.2
15293	DS_W55B	DS_PC3	242.4
23795	DS_W55B_2	DS_PC3	214.2
24874	DS_W55D	DS_PC3	225.3
24877	DS_W55D	DS_PC3	210.4
24907	DS_W55D	DS_PC3	249.5
24962	DS_W55D	DS_PC3	231.5
24964	DS_W55D	DS_PC3	241.1
25593	DS_W55B_2	DS_PC3	255.4
25594	DS_W55B_2	DS_PC3	248.1
25602	DS_W55B_2	DS_PC3	236.8

Equipment-wise analysis on:

- Availability
- Quality
- Performance
- Delay duration
- OEE metrics
- Movement data filtered by date

SUPPLY CHAIN ANALYSIS

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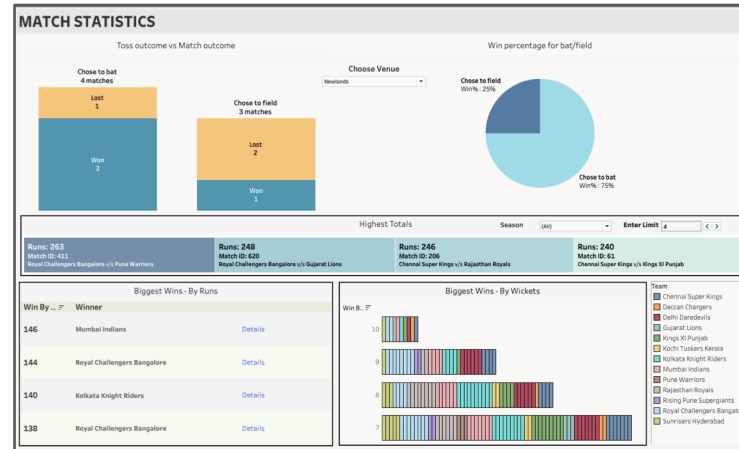
Executive Dashboard: Dashboard with all the details in one

- Count of equipments available on ground
- Count of equipments under maintenance
- Average production rate for the selected date
- Top/Poor performing equipments based on OEE
- Top loading/hauling equipments on highest average rate

IPL STATISTICS (2008 – 2017)

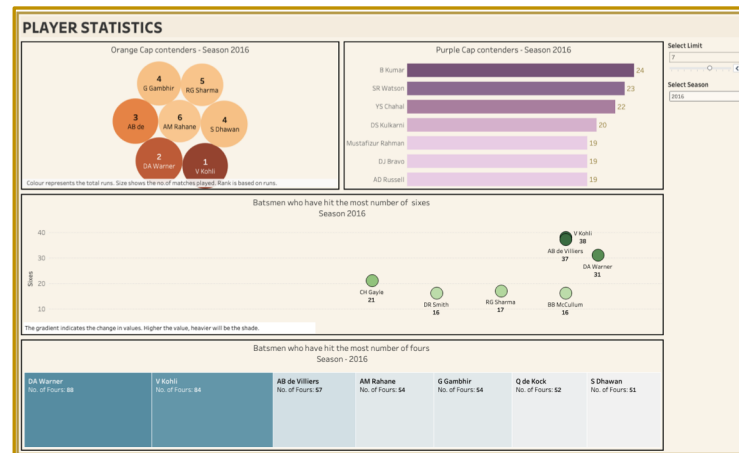
Build a Tableau dashboard for the Indian Premium League statistics over the years (2008-2017) since its inception to create an infographic for **IFP**, a nationally recognized news agency.

With match-level information and ball-by-ball information for seasons 2008 - 2017, it is expected to build an interactive that highlights some of the **Match, Player and Team** statistics of IPL over the seasons.



Analysis on Match was done for :

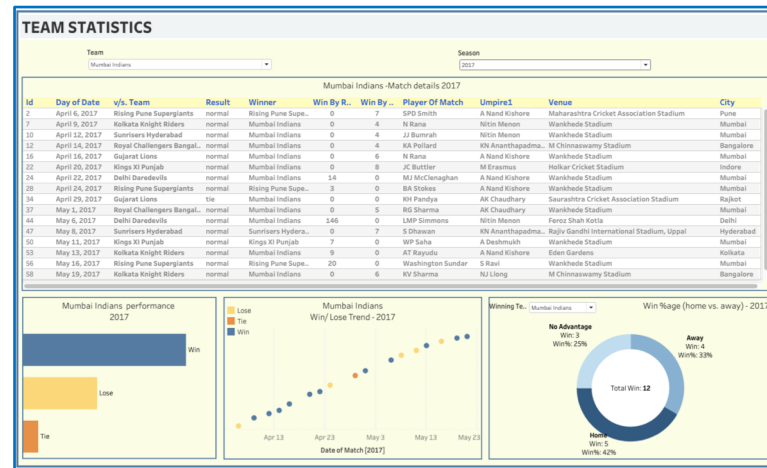
- Toss winner v/s. Match winner based on grounds
- Overall highest totals
- Biggest wins by number of wickets
- Biggest wins by runs for the period



Player Stats was taken for :

- Orange Cap contenders (max. runs in a season)
- Purple Cap contenders (max. wickets in a season)
- Maximum no. of 4's and 6's (all seasons)

IPL STATISTICS (2008 – 2017)



Team stats was taken for :

- Season-wise performance
- Details of matches of the team season-wise
- Season-wise win/lose trend
- Home/Away in percentage