

OPERATIONAL ANALYSIS OVER VIEW

4/1/2023 to 9/29/2023

Product_Name

All

Shift_Information

All

Avg lead time

5.51

Avg prod time

7.70

Total employees

10

Total suppliers

10

Total quantity in stock

279K

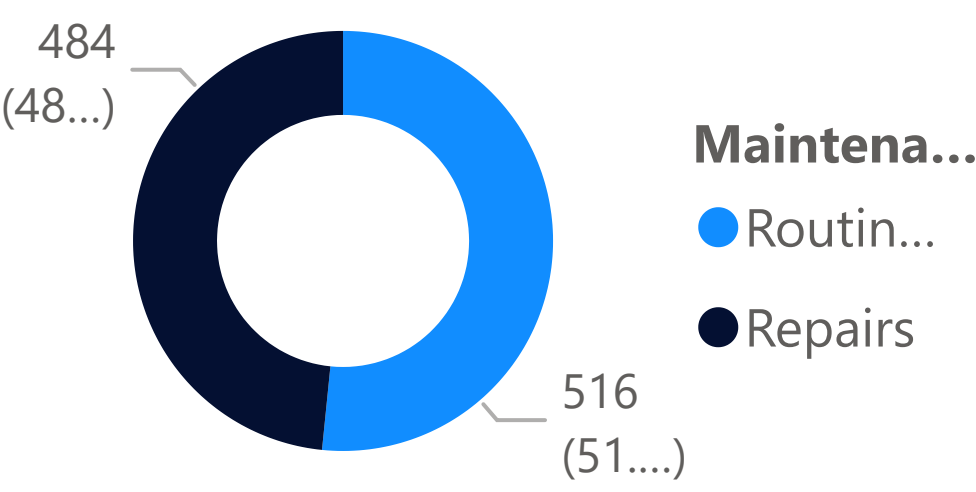
Total suppliers

10

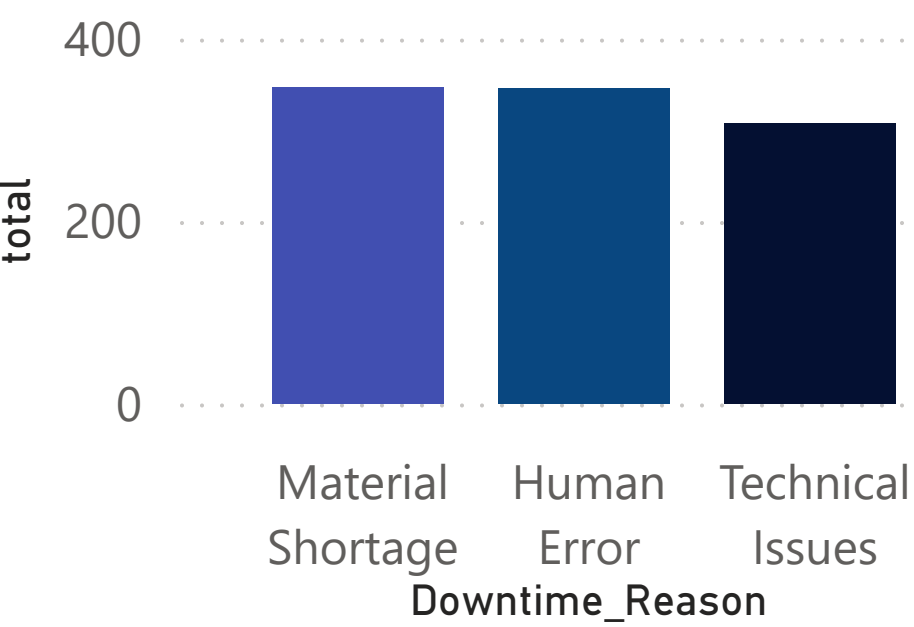
Total prod quantity

564K

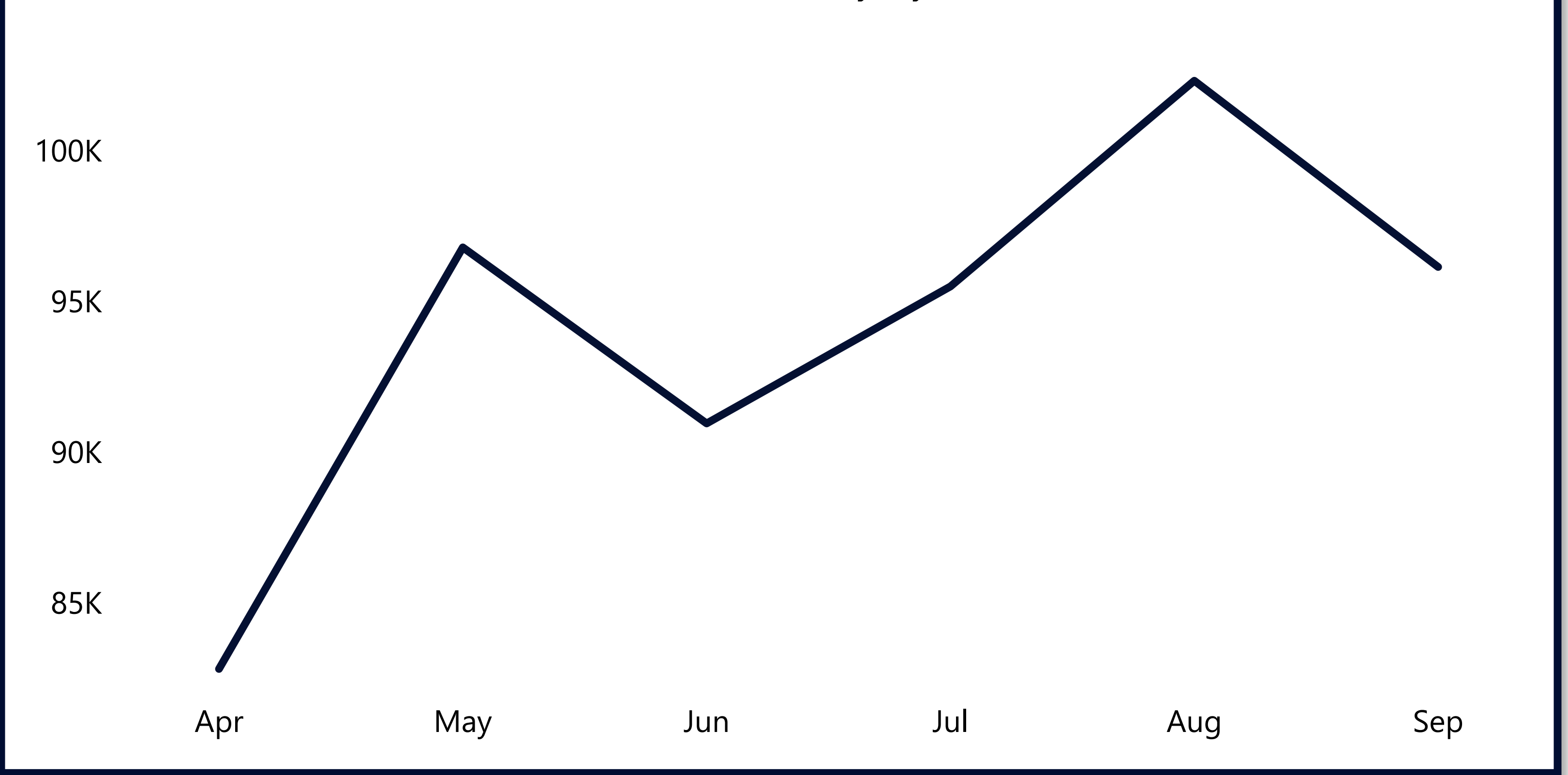
total by Maintenance_Type



total by Downtime_Reason



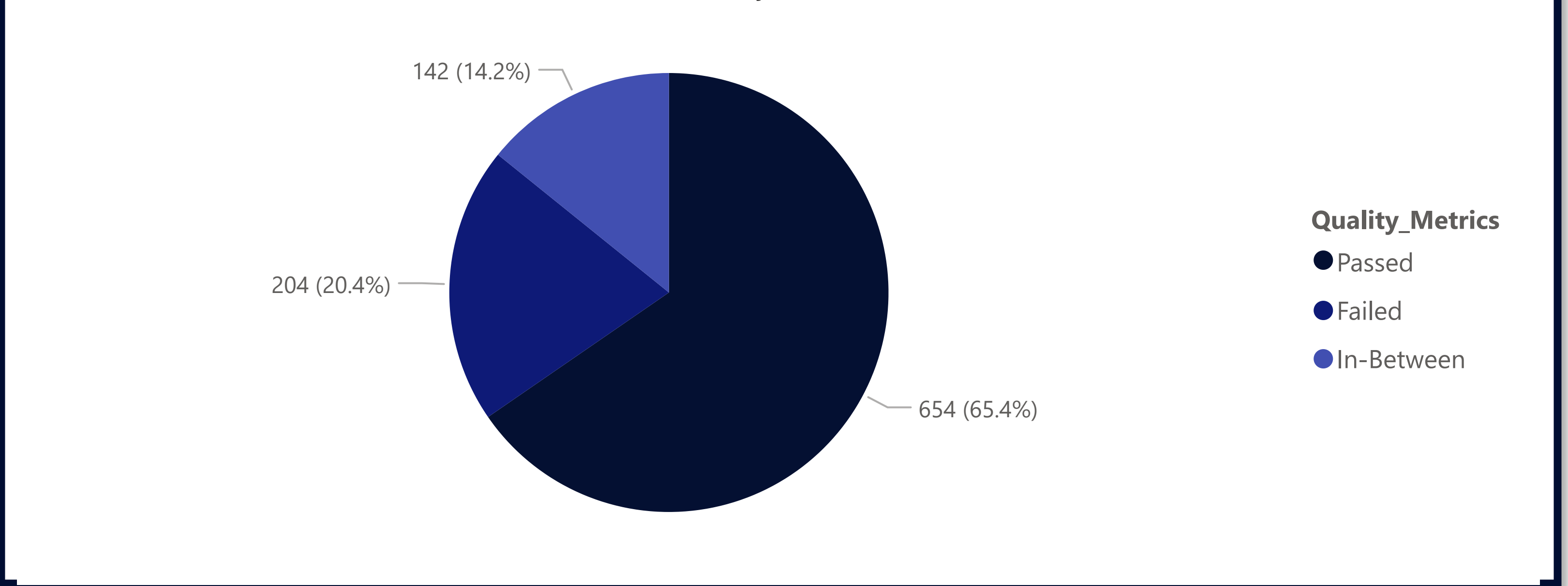
Production Quantity by Month



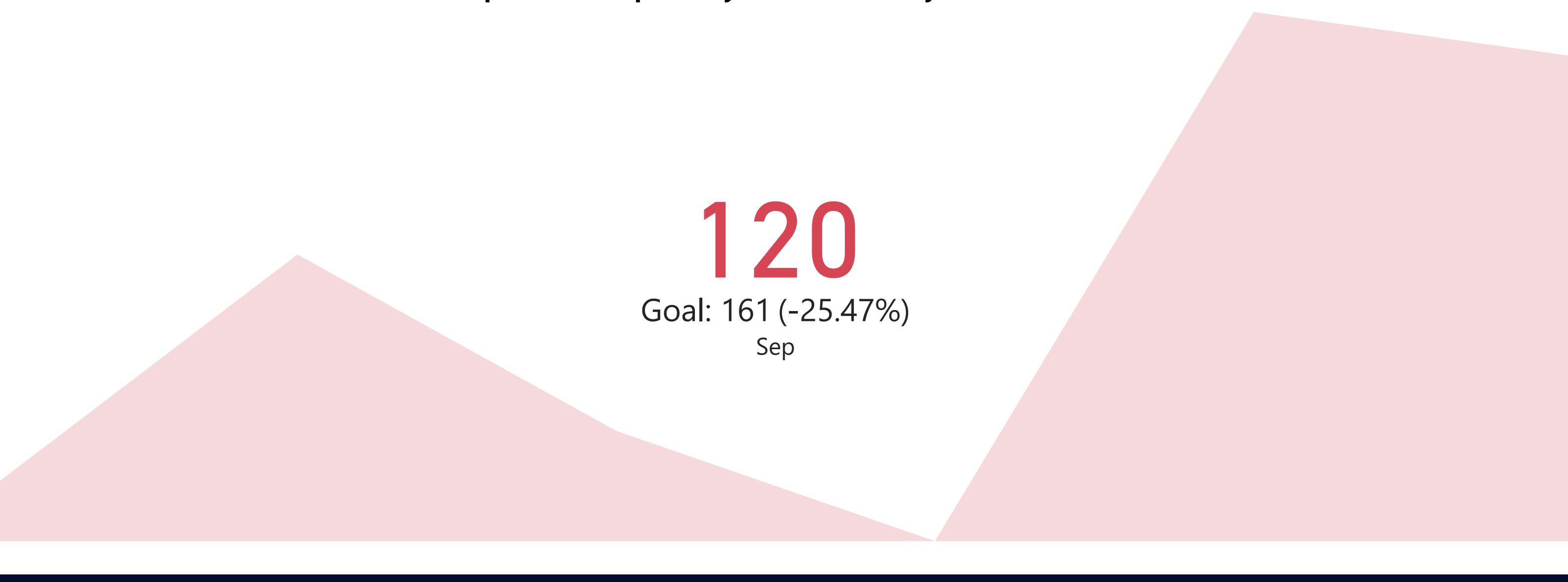
inventory level by products



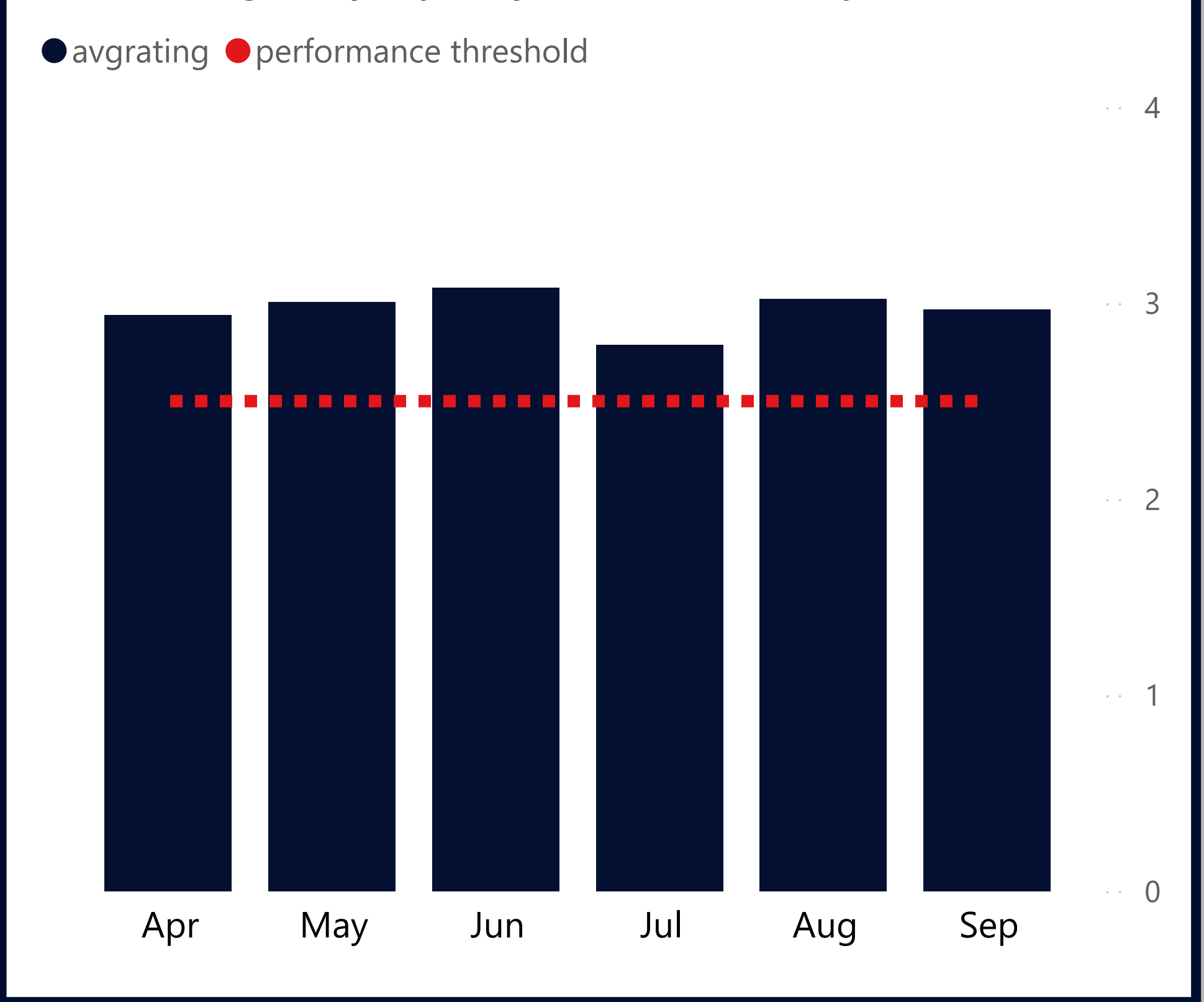
QualityMetrics



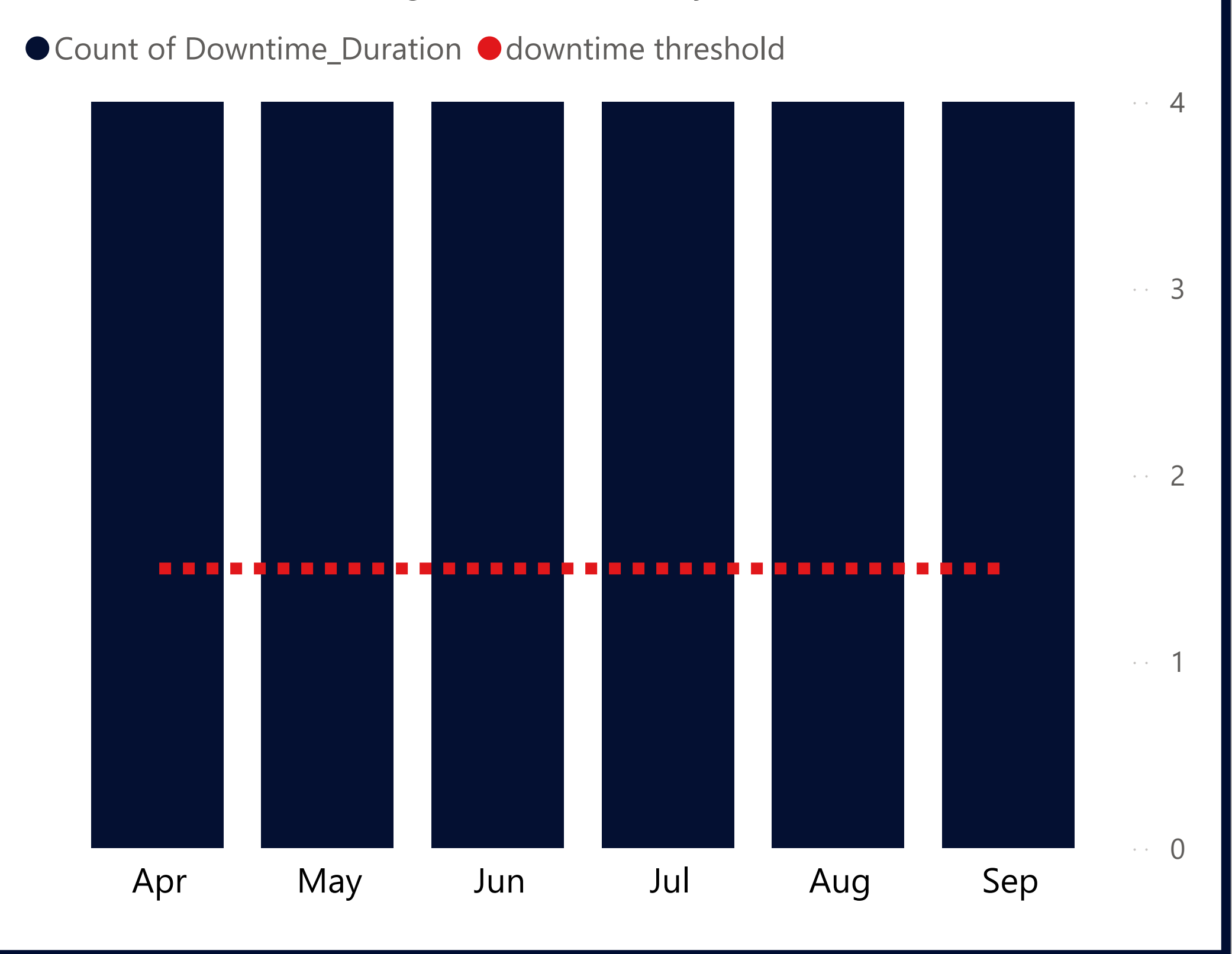
passed quality metrics by month



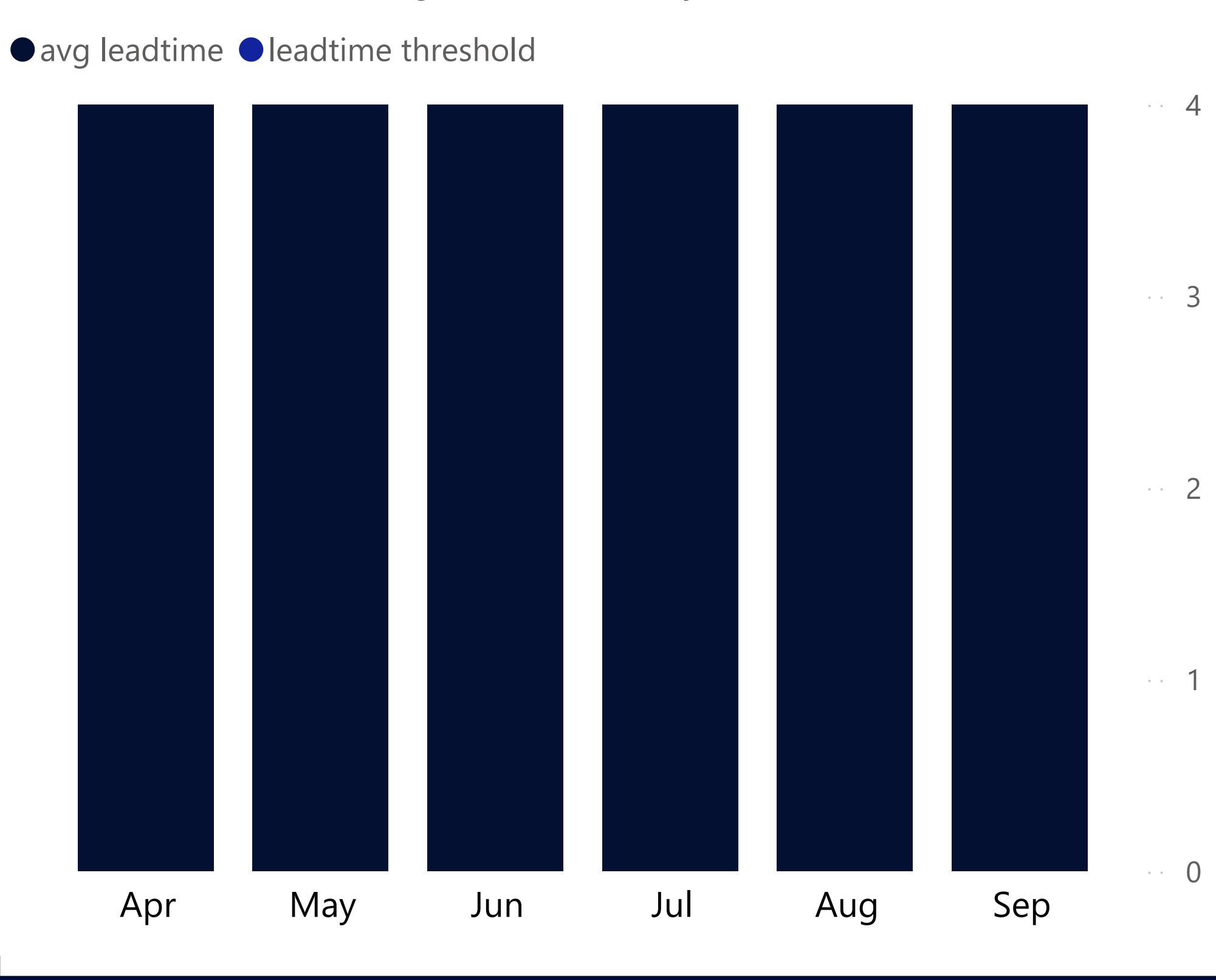
avg employee performance by Month



avg downtime by Month



avg leadtime by Month



PRODUCT ANALYSIS

most produced product
89K
Industrial Mixer

least produced product
75K
Industrial Cookers

product with the top avg
production time
7.88
Air Conditioners

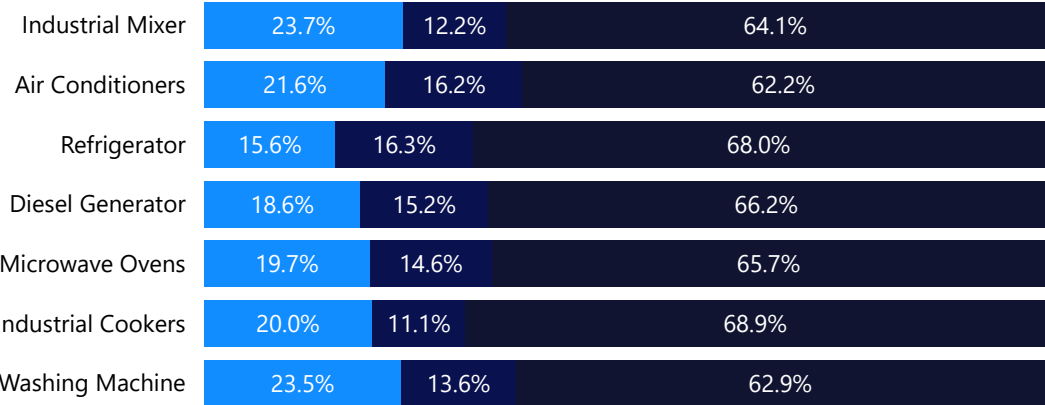
product with the least avg
production time
7.42
Industrial Mixer

lowest prod in stock
37K
Microwave Ovens

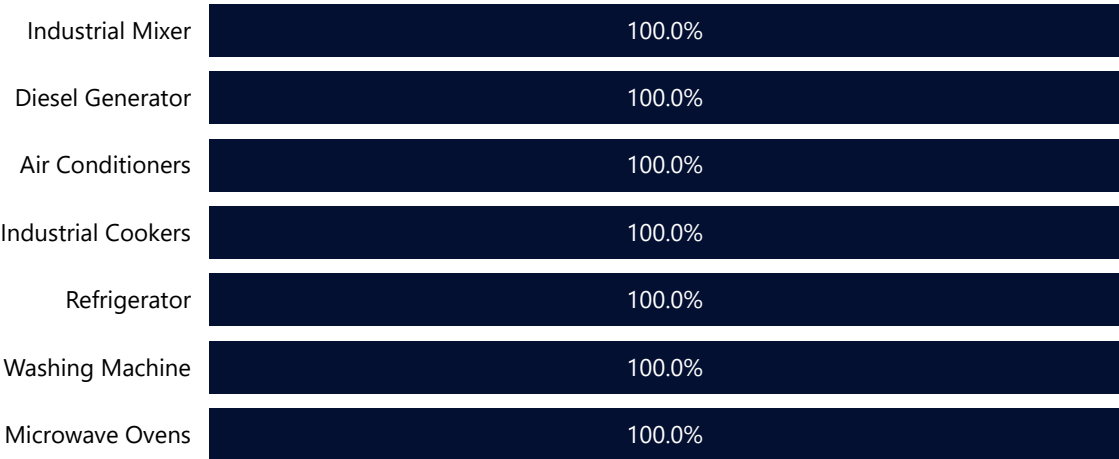
most product in stock
44K
Industrial Mixer

Quality Metrics

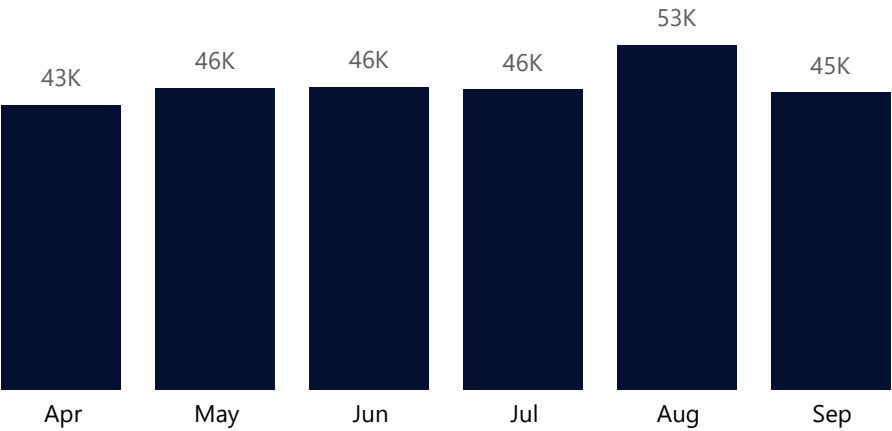
Quality_Metrics Failed In-Between Passed



product quantity in stock



Quality Metrics



Downtime_Reason

- ☐ Human Error
- ☐ Material Shortage
- ☐ Technical Issues

Shift_Information

- ☐ Afternoon Shift
- ☐ Morning Shift
- ☐ Night Shift

Product_Name

- ☐ Air Conditioners
- ☐ Diesel Generator
- ☐ Industrial Cookers
- ☐ Industrial Mixer
- ☐ Microwave Ovens
- ☐ Refrigerator
- ☐ Washing Machine

Downtime_Events

0 5



QUALITY METRICS AND ENERGY CONSUMPTIONS ANALYSIS

passed metics

654 65.4%

failed metrics

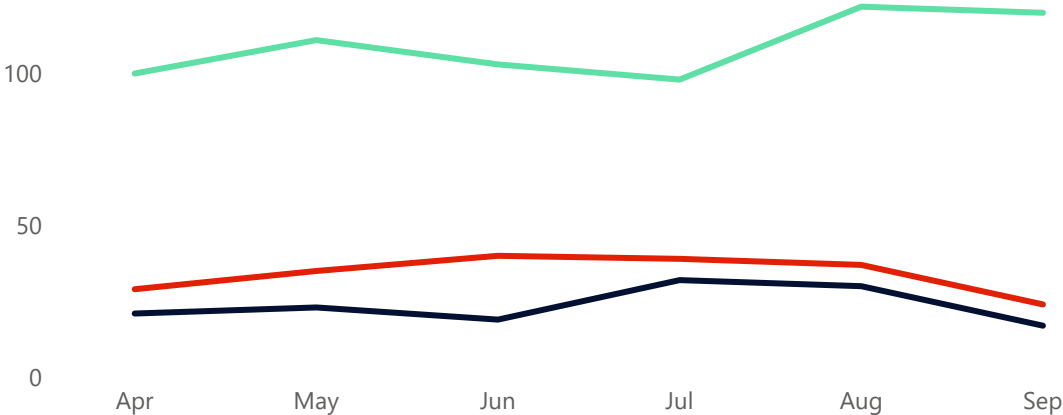
204 20.4%

in-between metrics

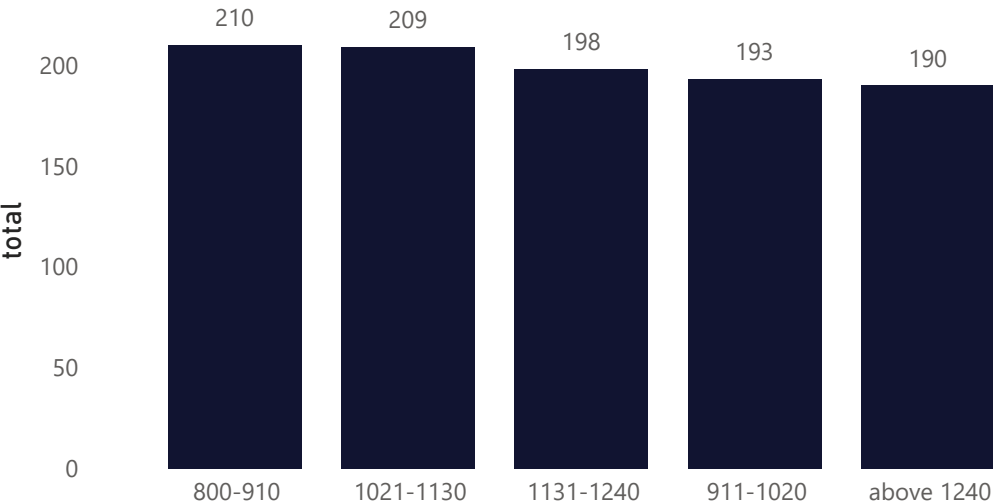
142 14.2%

Quality Metrics by Month

Quality_Metrics Failed In-Between Passed

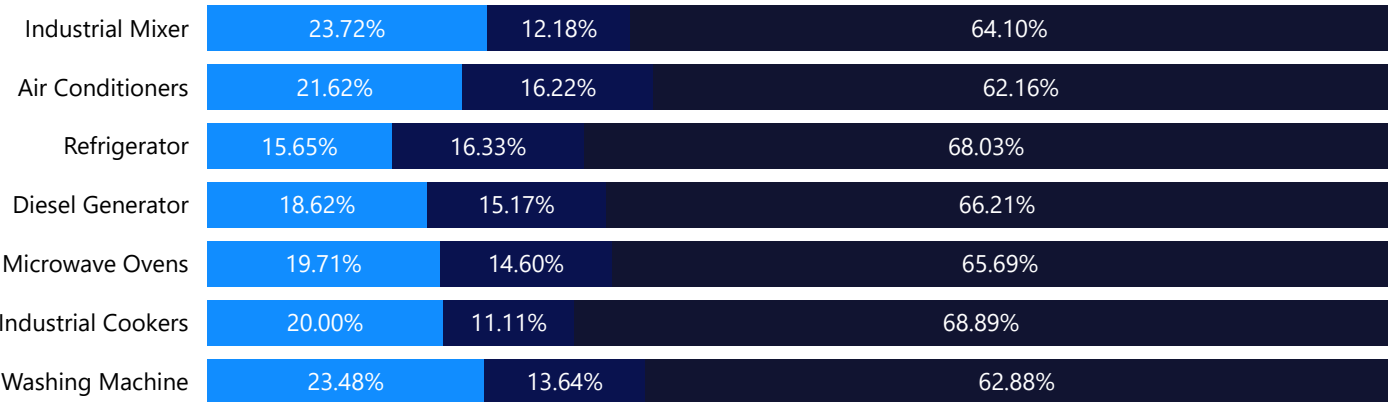


energy consumption range



total by Product_Name and Quality_Metrics

Quality_Metrics Failed In-Between Passed



Shift_Information

- ☐ Afternoon Shift
- ☐ Morning Shift
- ☐ Night Shift

Product_Name

- ☐ Air Conditioners
- ☐ Diesel Generator
- ☐ Industrial Cookers
- ☐ Industrial Mixer
- ☐ Microwave Ovens
- ☐ Refrigerator
- ☐ Washing Machine

EMPLOYEES ANALYSIS

Total employees

10

most performed employee

Sarah Lloyd

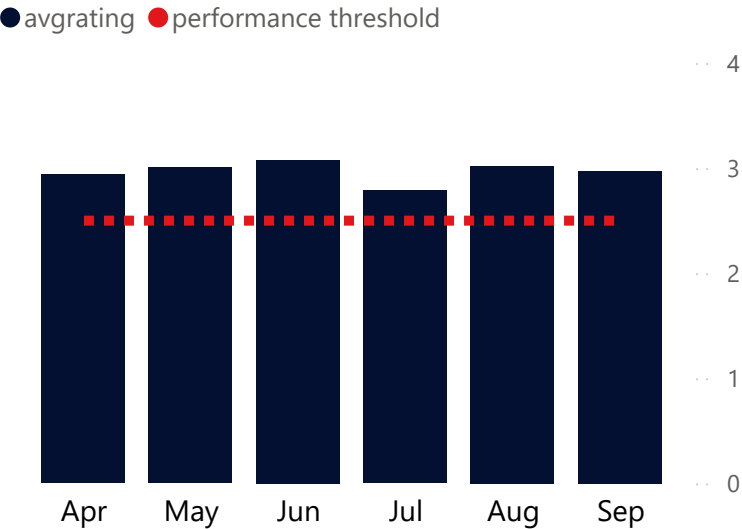
least performing employee

Ashley Herring

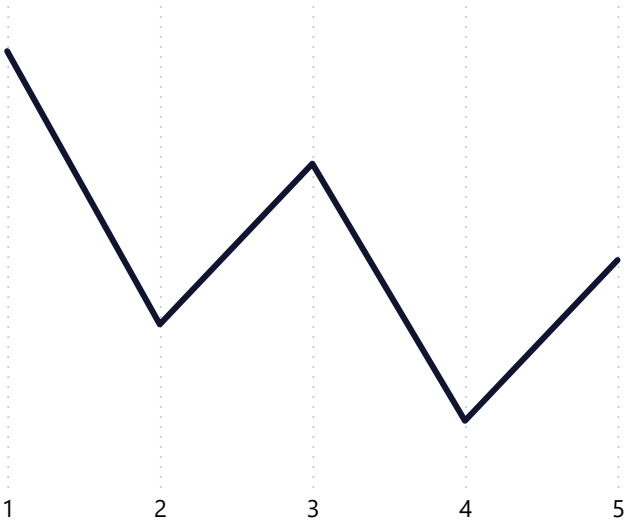
most active employee

Sarah Lloyd

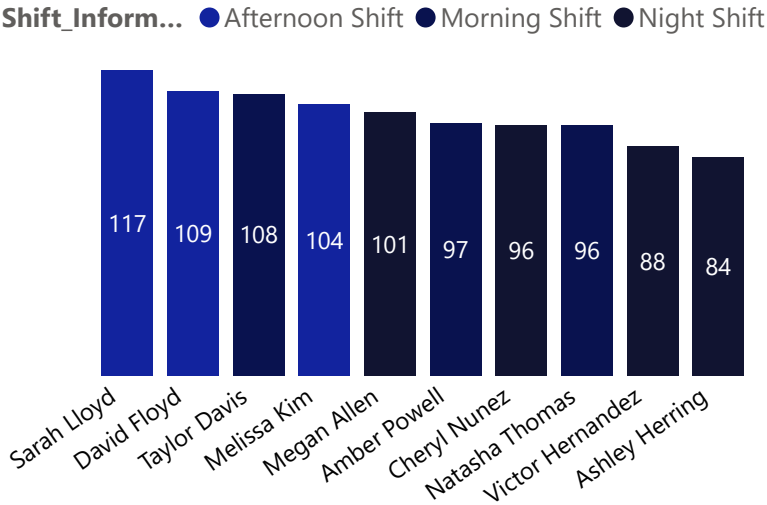
avg employee performance by Month



total Employee Rating

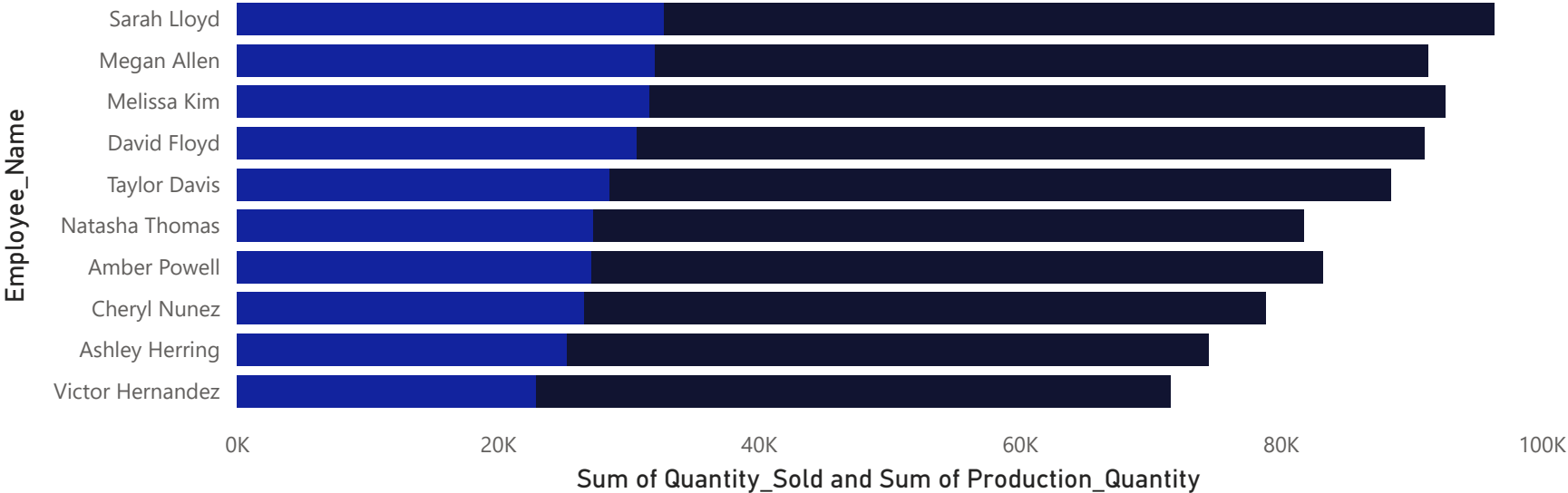


employee performance by shift



Quantity Sold and Production_Quantity by Employee_Name

● Sum of Quantity_Sold ● Sum of Production_Quantity



Shift_Information

- Afternoon Shift
- Morning Shift
- Night Shift

LEAD TIME ANALYSIS

min lead time

1

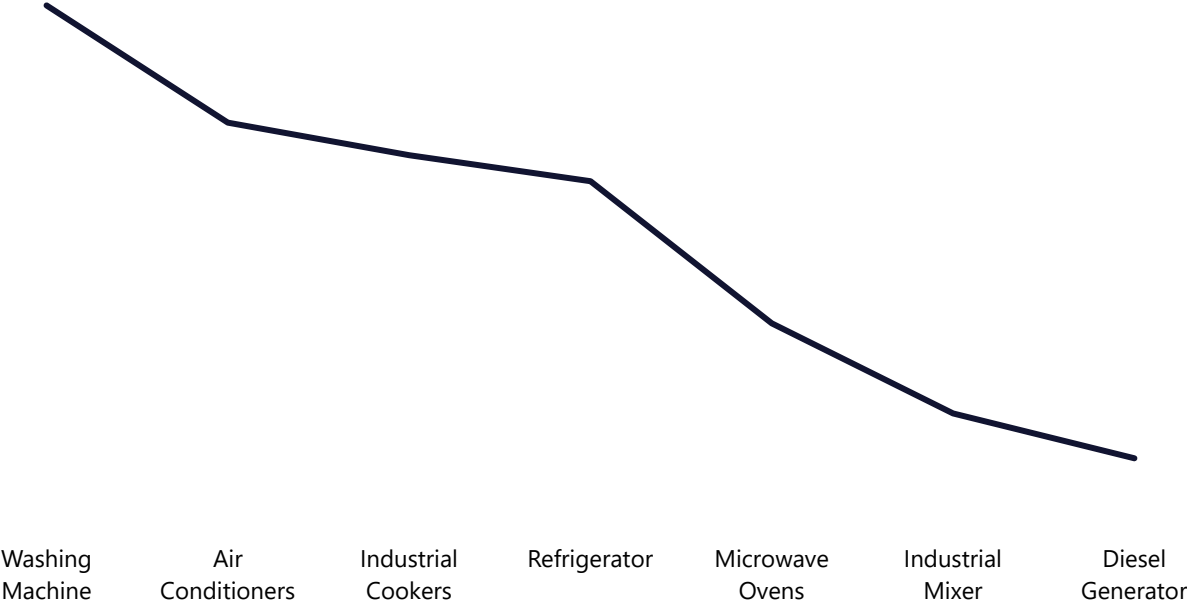
Avg lead time

5.51

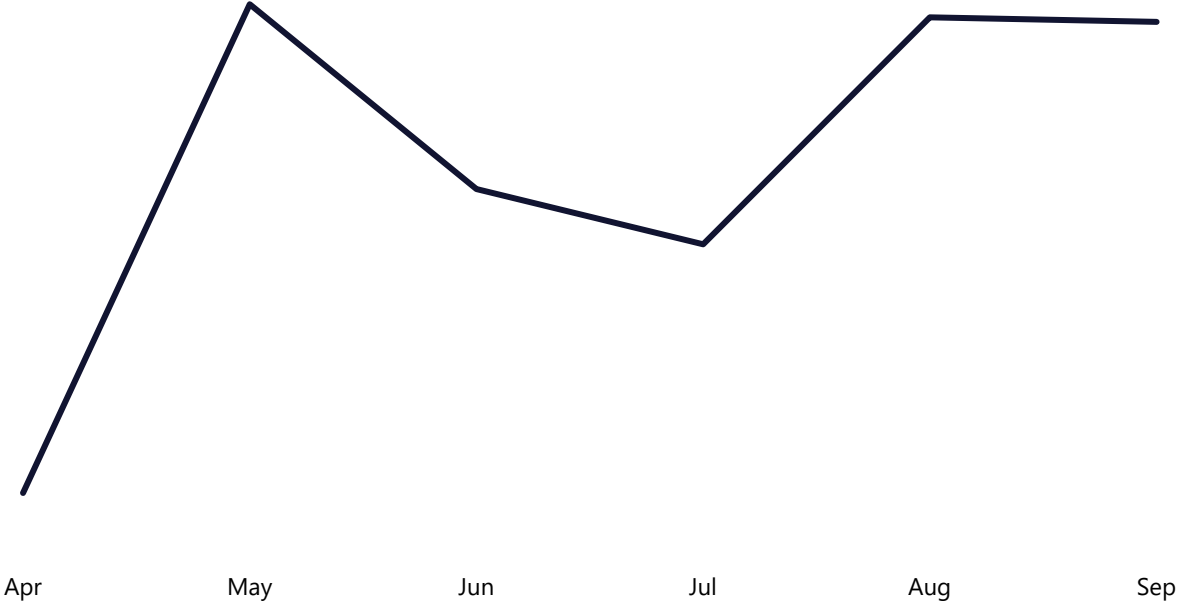
max lead time

10

avg lead time by product



avg lead time by month



avg lead time y supplier



Supplier_Name

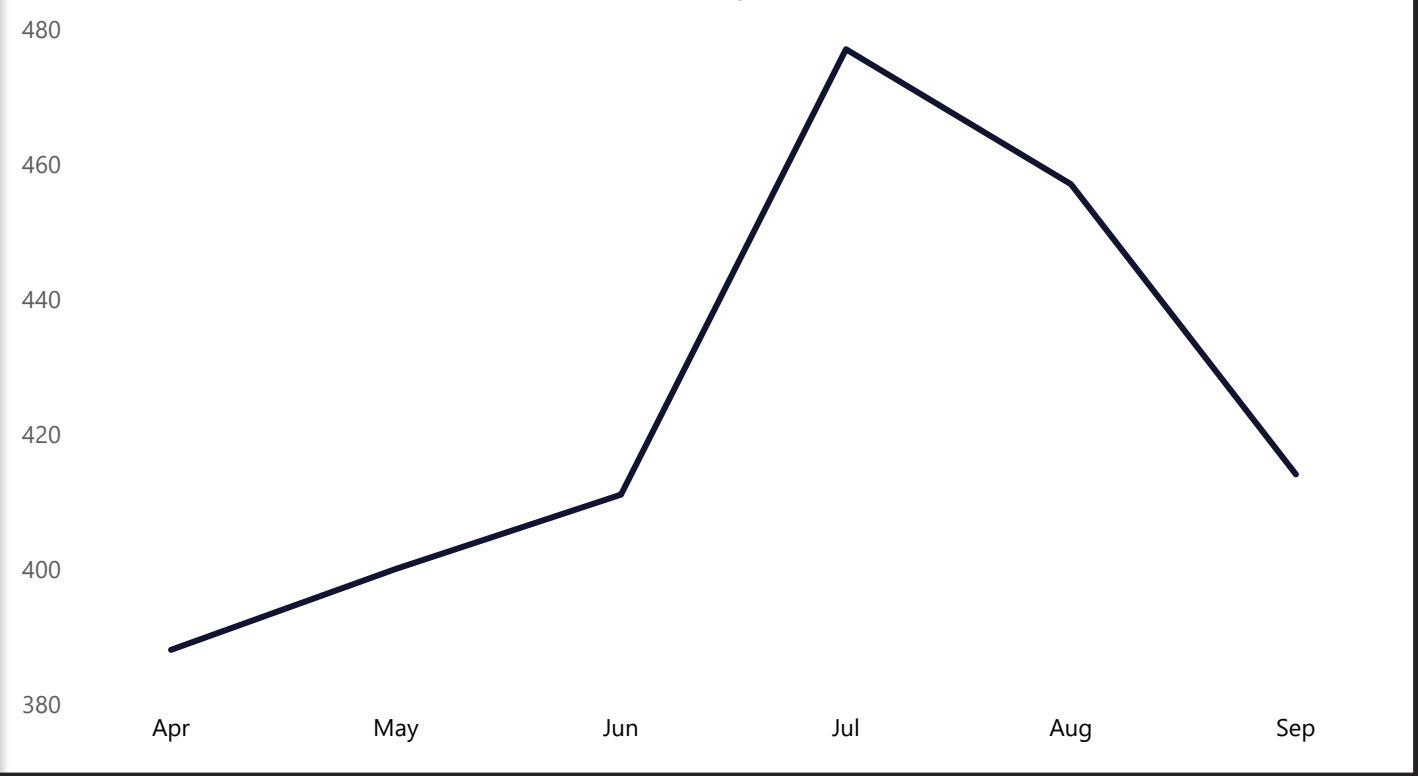
- ☐ Adams, Murphy an...
- ☐ Barnes, Butler and ...
- ☐ Campbell-Wong
- ☐ Ferguson Inc
- ☐ Hartman-Banks
- ☐ Hawkins-Miller
- ☐ Hill, Thomas and N...
- ☐ Lawson-Herrera
- ☐ Moore, Hernandez ...
- ☐ Yang, Walker and G...

Product_Name

- ☐ Air Conditioners
- ☐ Diesel Generator
- ☐ Industrial Cookers
- ☐ Industrial Mixer
- ☐ Microwave Ovens
- ☐ Refrigerator
- ☐ Washing Machine

DOWN TIME ANALYSIS

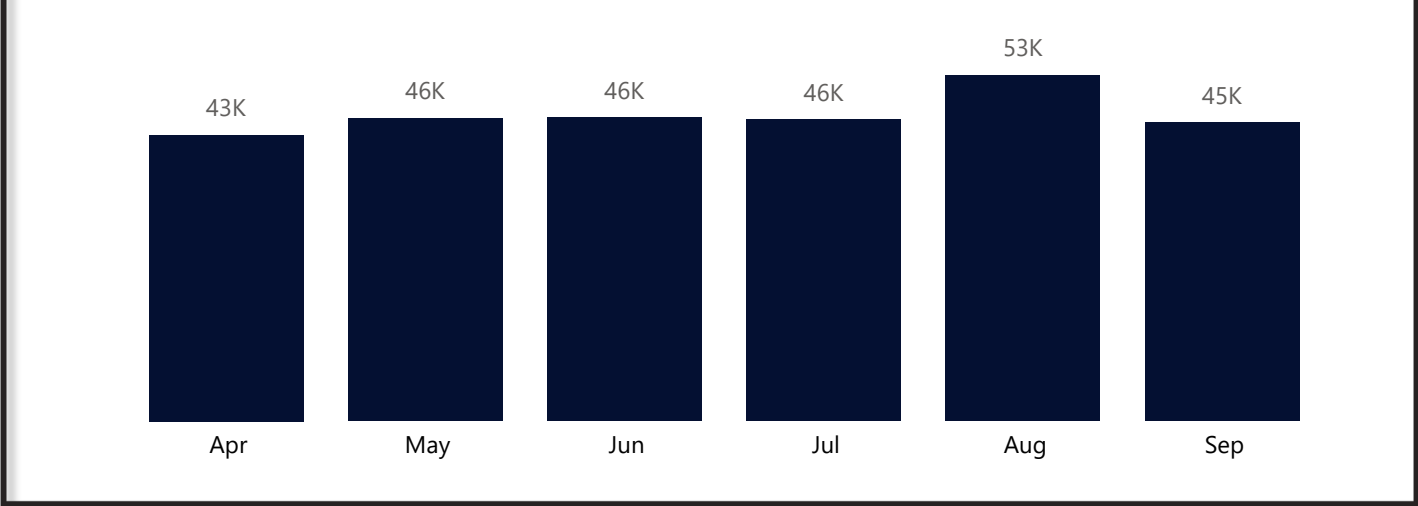
down time by month



down time events by product



production by month



Downtime_Reason

- ☐ Human Error
- ☐ Material Shortage
- ☐ Technical Issues

Shift_Information

- ☐ Afternoon Shift
- ☐ Morning Shift
- ☐ Night Shift

Product_Name

- ☐ Air Conditioners
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- ☐ Refrigerator
- ☐ Washing Machine

Downtime_Events



tooltip

Quality_M... ● Failed ● In-Between ● Passed

