Analysis of Factory Manufacturing and Efficency

384K Total Production Volume

80.26 Average Quality Score

608 Sum of DefectStatus

8.74M Total Production Cost

274.73% Average Defect Rate

2.51 Average Downtime

90.23 Average Worker Productivity

3K Total Safety Incidents

1.91K Sum of DefectRate

Overview

Operations

Financials

Filter by Dates

9/3/2026   7/29/2028

Quality vs Defect Rate Trend
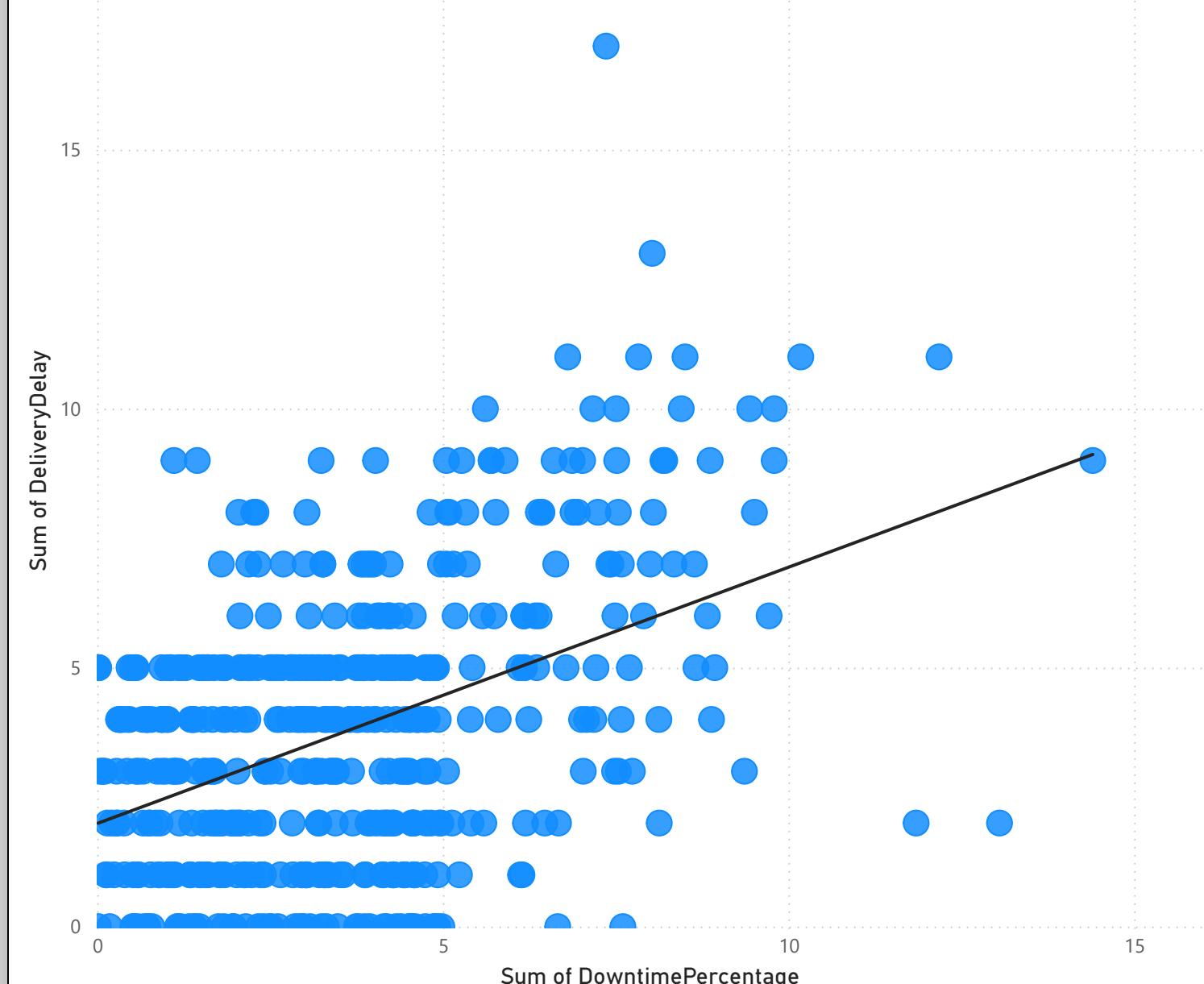
- Average Quality Score
- Average Defect Rate
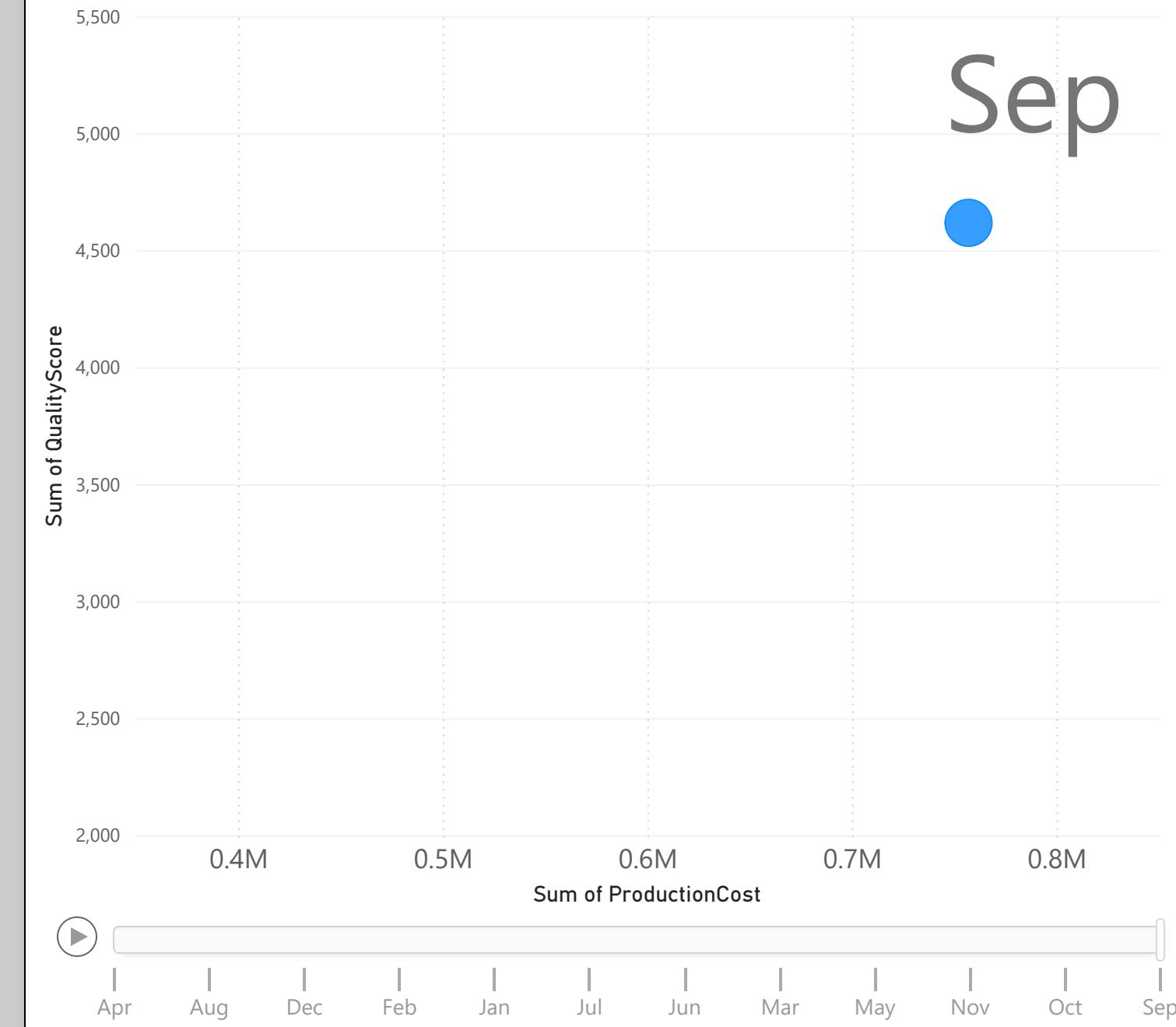
Sum of DefectRate by SupplierQuality

Downtime Percentage vs Delivery Delay by Production Volume

Production Cost and Quality Score by Month

Sep

Analysis of Factory Manufacturing and Efficency

|								
384K Total Production Volume	**80.26** Average Quality Score	**608** Sum of DefectStatus	**8.74M** Total Production Cost	**274.73%** Average Defect Rate	**2.51** Average Downtime	**90.23** Average Worker Productivity	**3K** Total Safety Incidents	**1.91K** Sum of DefectRate

Overview

Operations
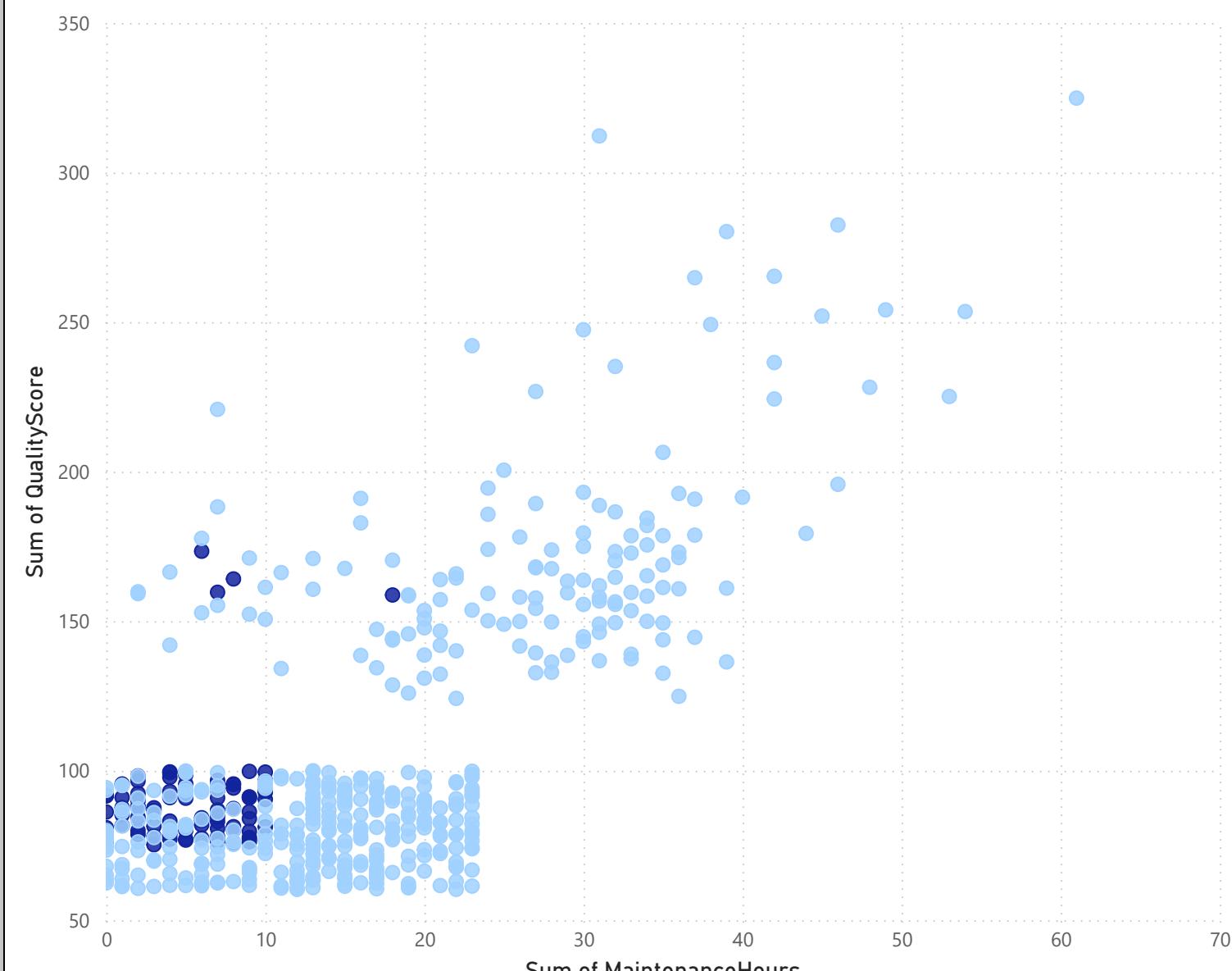
Financials

Filter by Dates

9/3/2026   7/29/2028
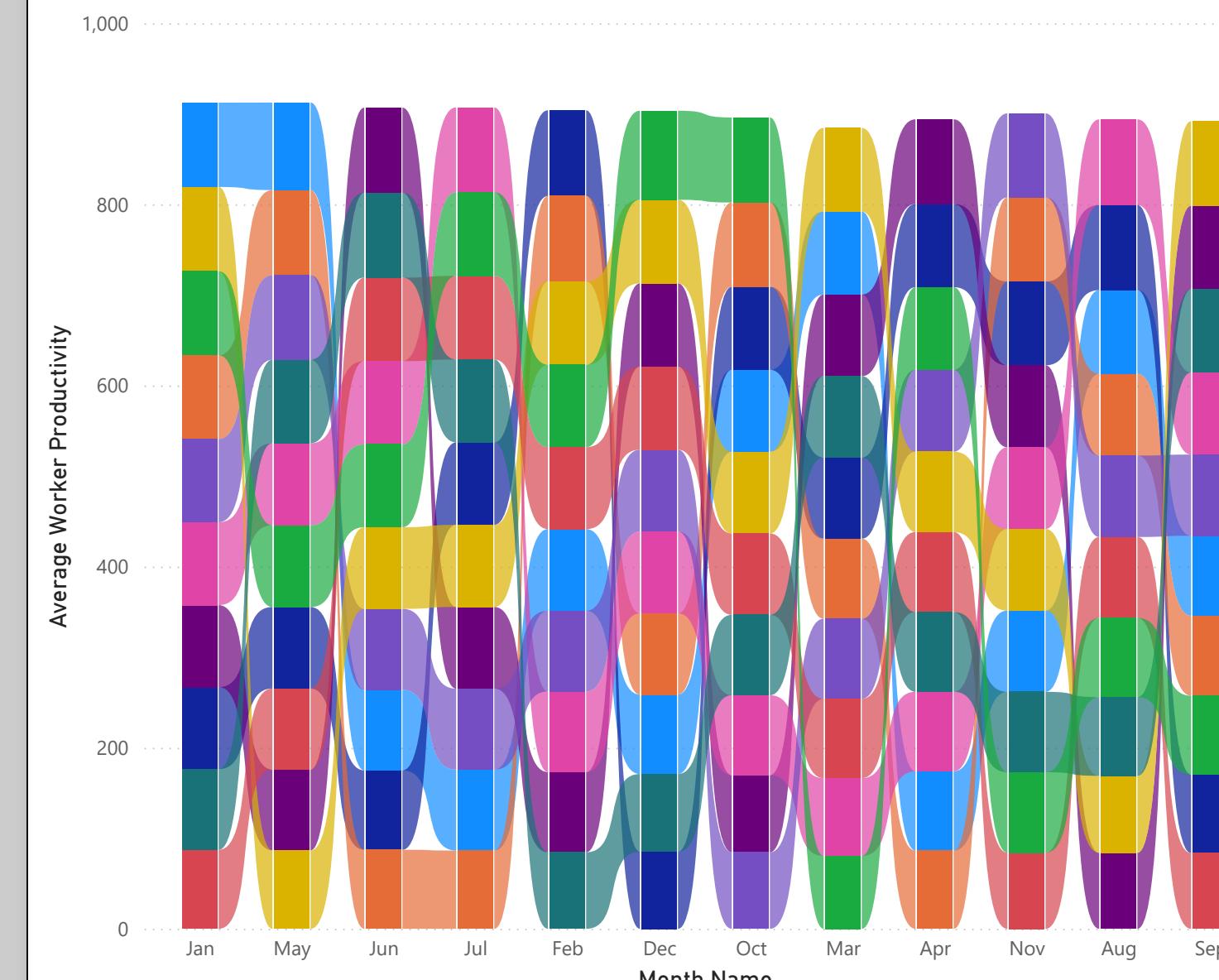
Maintenance Hours and Quality Score by Production Volume and Defect Status
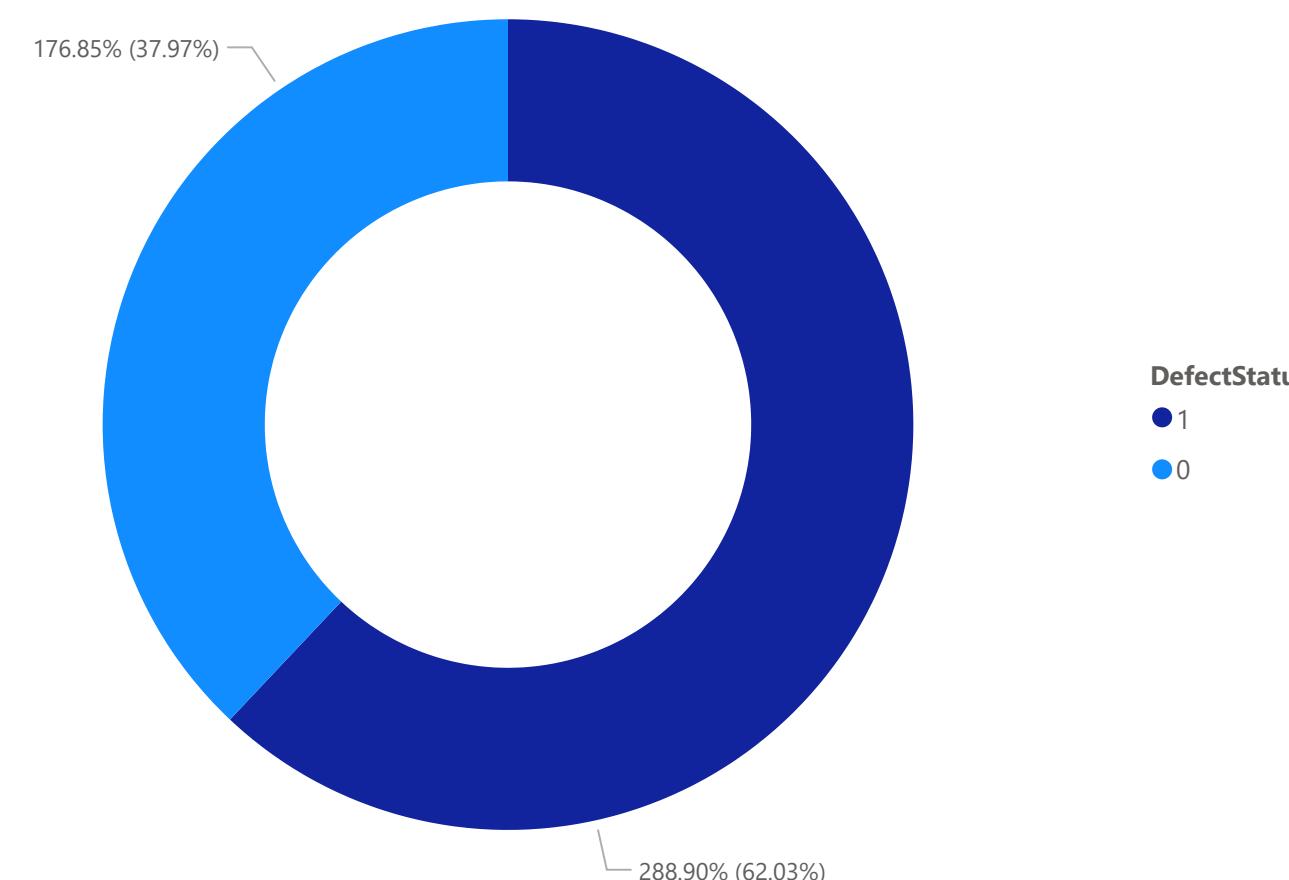
DefectStatus ● 0 ● 1

Average Worker Productivity by Month and Safety Incidents

SafetyIncidents ● 0 ● 1 ● 2 ● 3 ● 4 ● 5 ● 6 ● 7 ● 8 ● 9
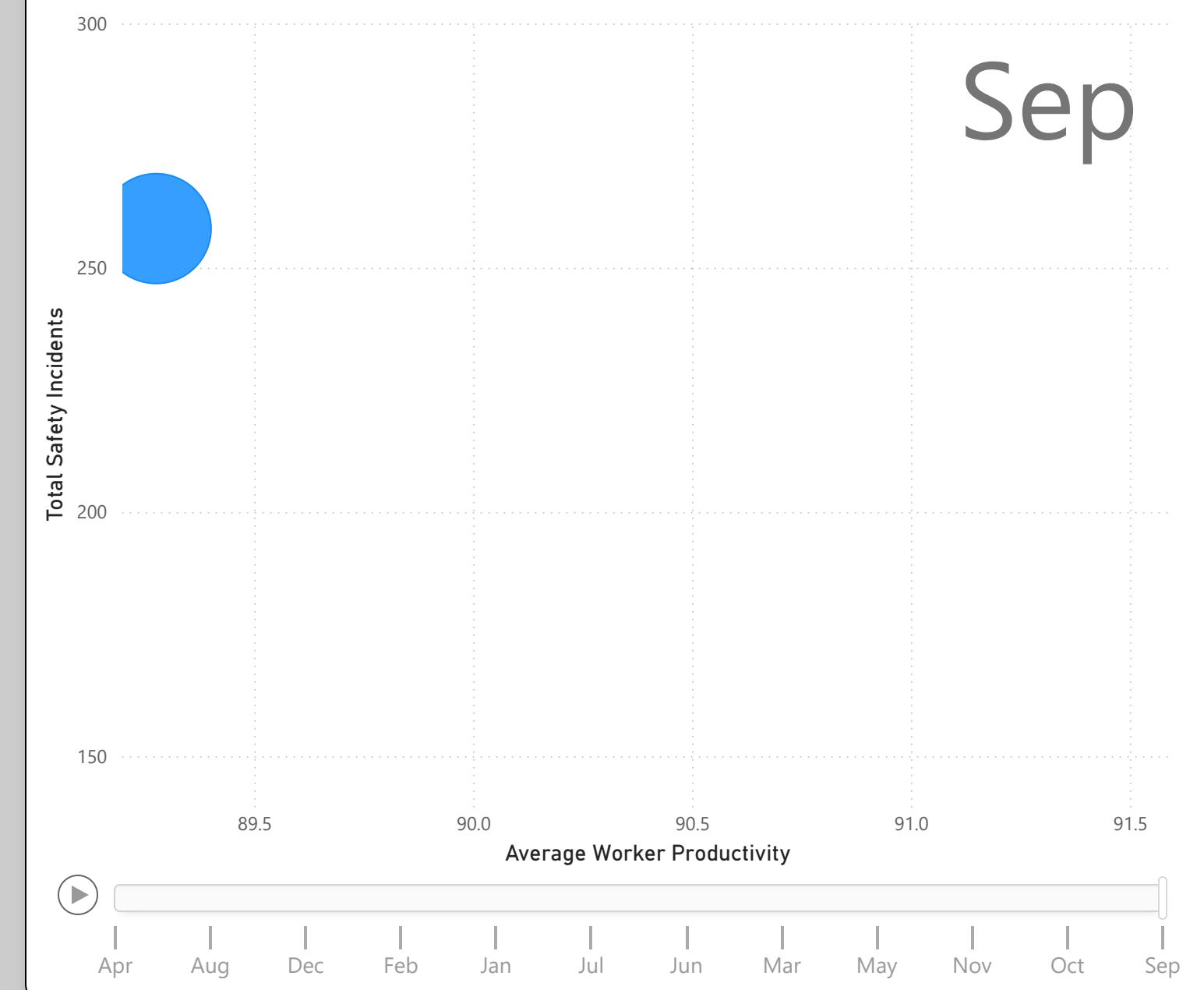
Average Defect Rate by DefectStatus

176.85% (37.97%)

288.90% (62.03%)

DefectStatus
● 1
● 0

Average Worker Productivity, Total Safety Incidents and Production Volume by Month

Sep

Analysis of Factory Manufacturing and Efficency

|								
384K Total Production Volume	**80.26** Average Quality Score	**608** Sum of DefectStatus	**8.74M** Total Production Cost	**274.73%** Average Defect Rate	**2.51** Average Downtime	**90.23** Average Worker Productivity	**3K** Total Safety Incidents	**1.91K** Sum of DefectRate

Overview

Operations

Financials

Filter by Dates

9/3/2026   7/29/2028

MaintenanceHou... ✕
20

AdditiveMaterial... ✕
423.736869990006

EnergyConsump... ✕

14 339,472.62	197.876621852056 19,505.53
2 334,157.39	124.265317573919 16,128.44
7 324,574.02	423.736869990006 16,107.14 → 3540.98437381595 16,107.14
21 322,777.36	290.56922849396 15,990.49
20 318,813.30	266.126003487973 15,305.29
3 297,149.45	448.629614373456 14,999.01
22 281,757.57	117.732992008031 14,484.23
1 267,533.16	241.363191892377 13,000.80
8 264,366.48	342.619095552465 12,964.07
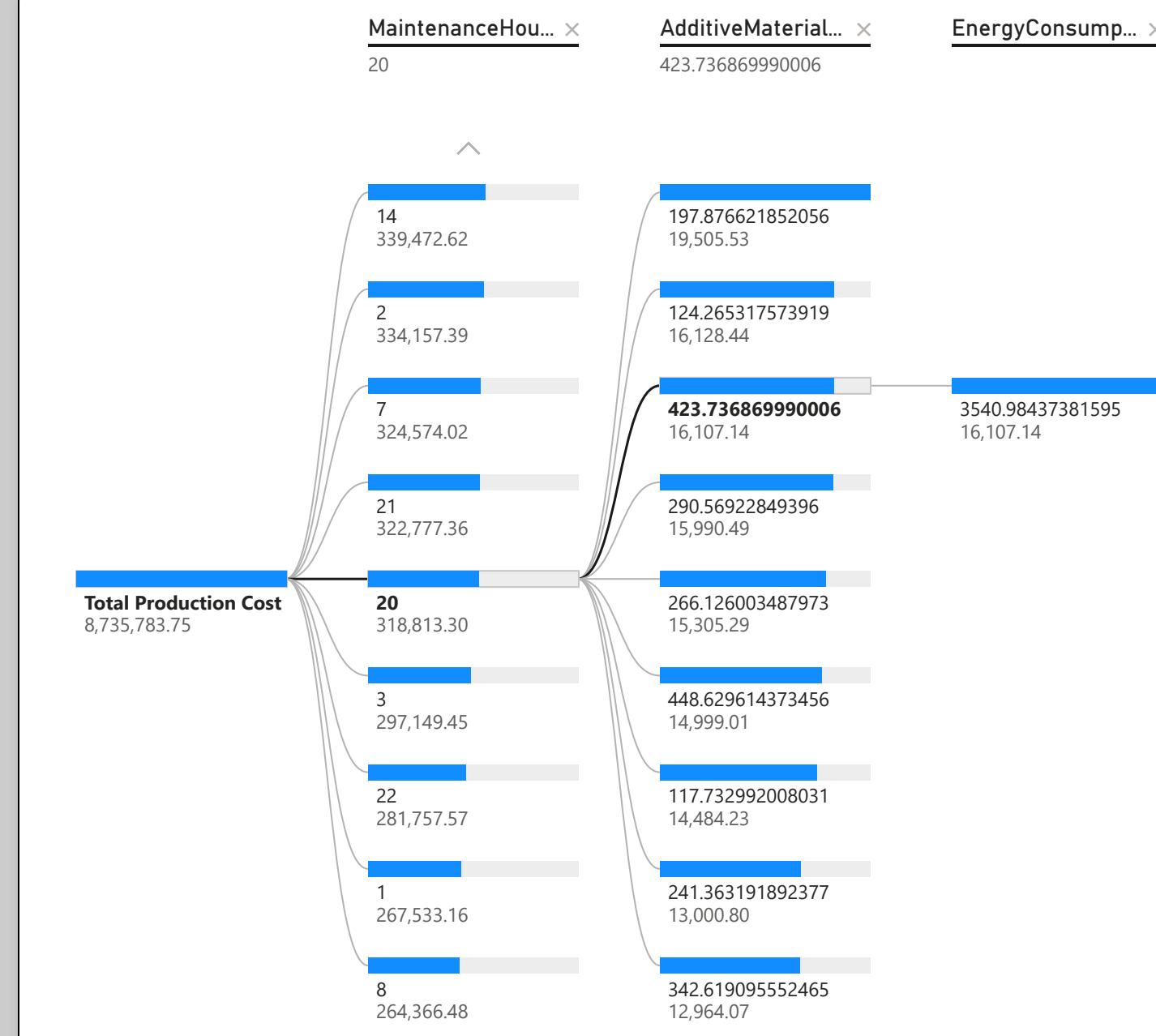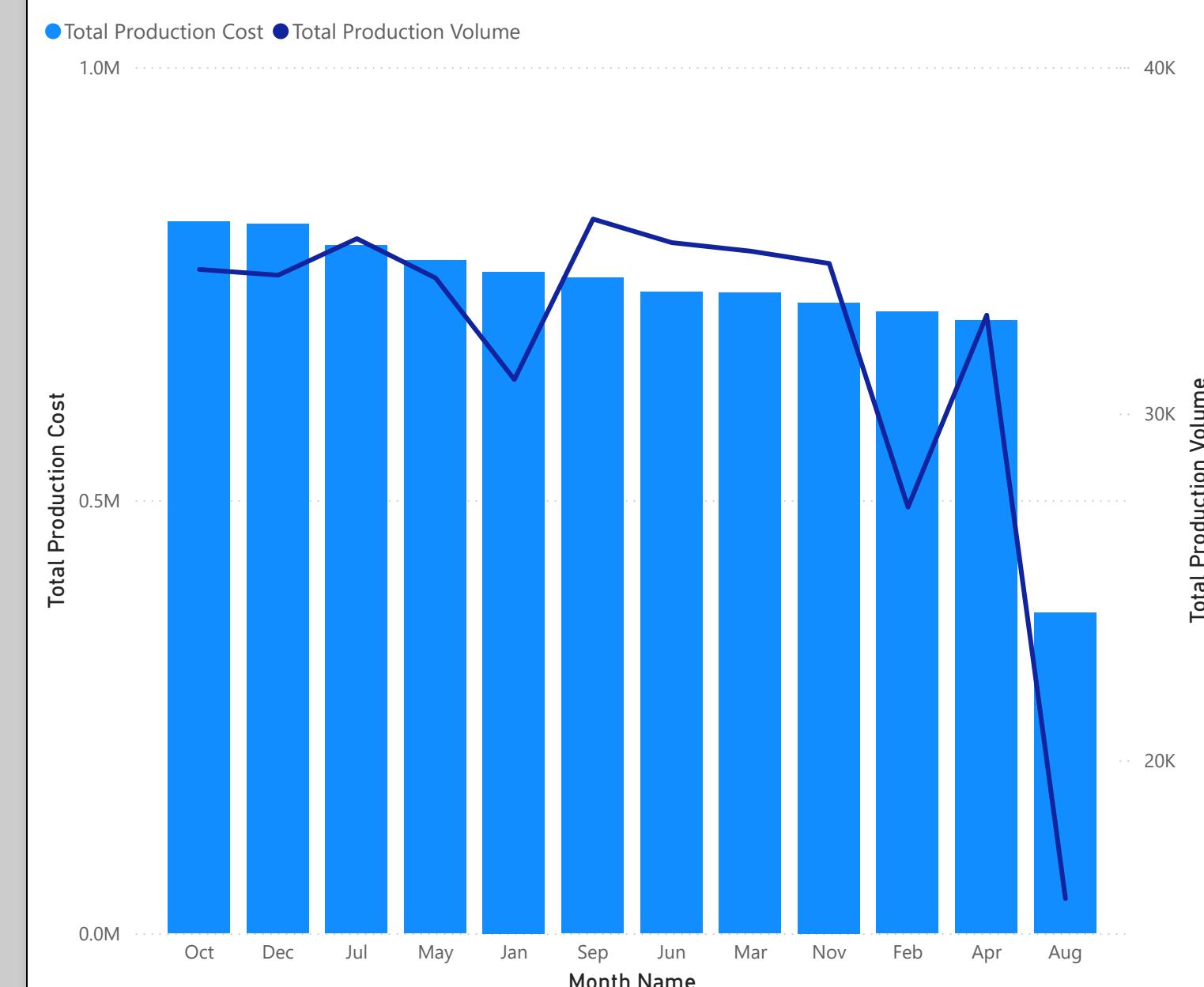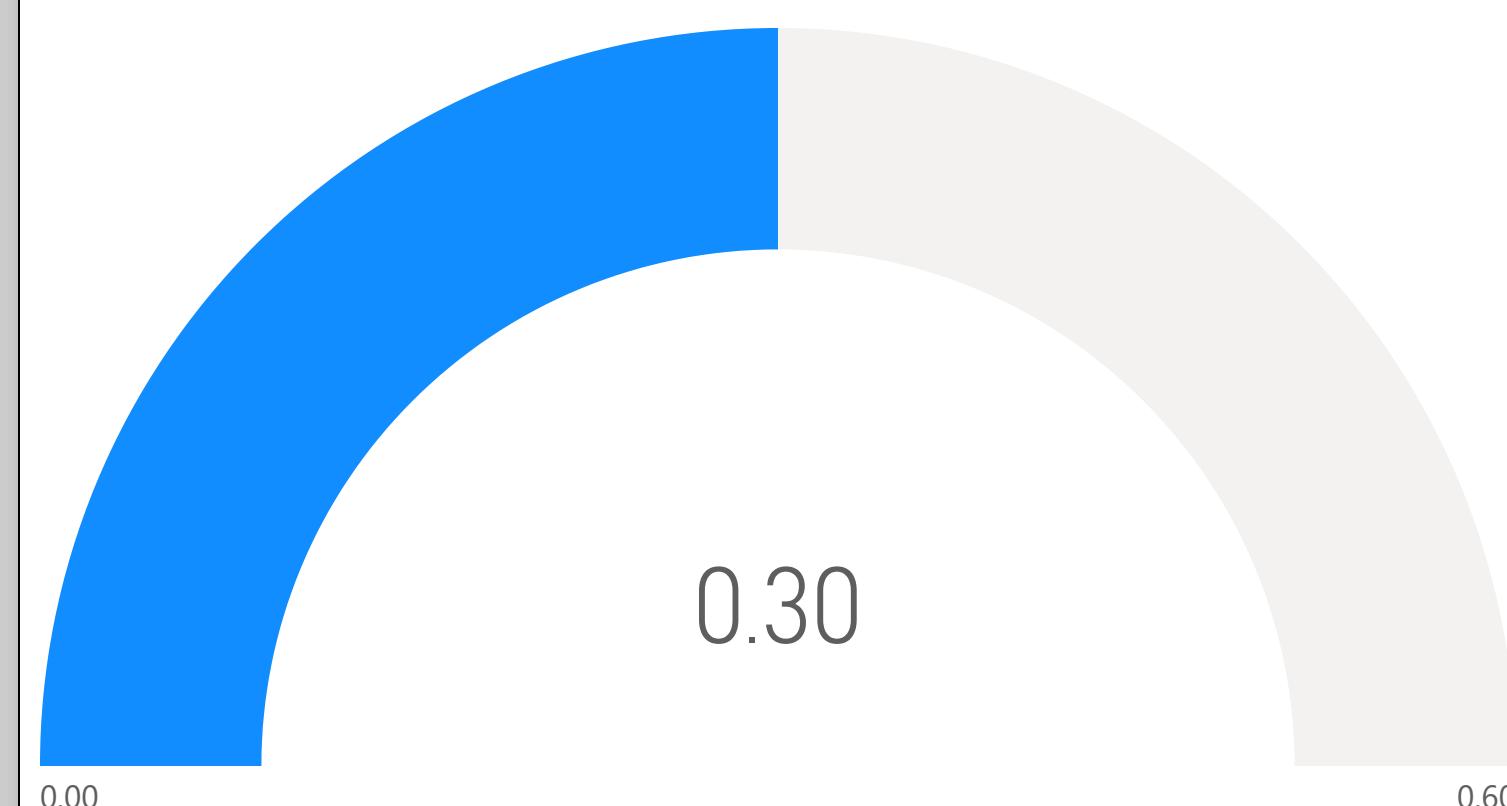
Total Production Cost 8,735,783.75

Total Production Cost and Total Production Volume by Month

● Total Production Cost ● Total Production Volume

Month order: Oct, Dec, Jul, May, Jan, Sep, Jun, Mar, Nov, Feb, Apr, Aug

Average Energy Efficiency

0.00   **0.30**   0.60

Unit Cost and Quality Score by Production Volume and Defect Status

DefectStatus ● 0 ● 1

Mar

Apr, Aug, Dec, Feb, Jan, Jul, Jun, Mar, May, Nov, Oct, Sep