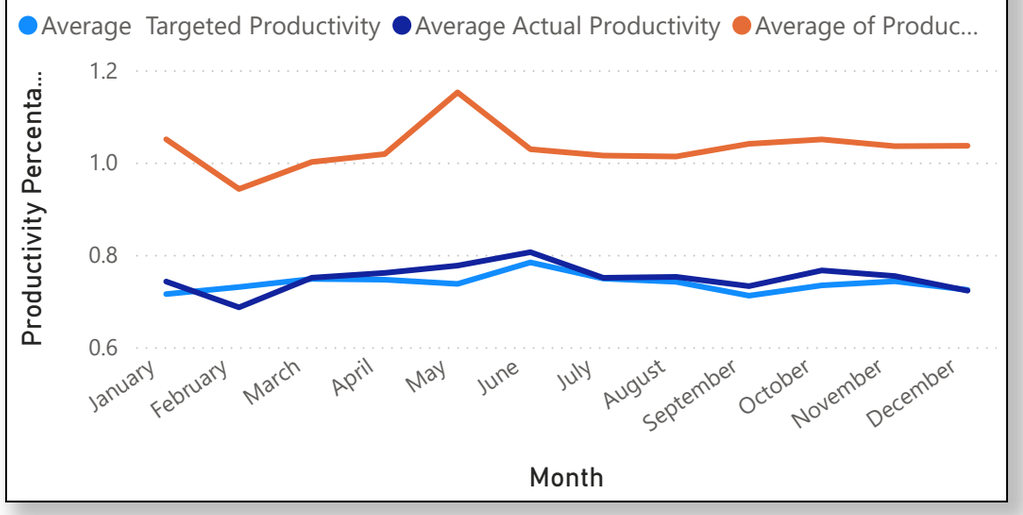
Garments Factory Workers Productivity Analysis: Production Performance Overview

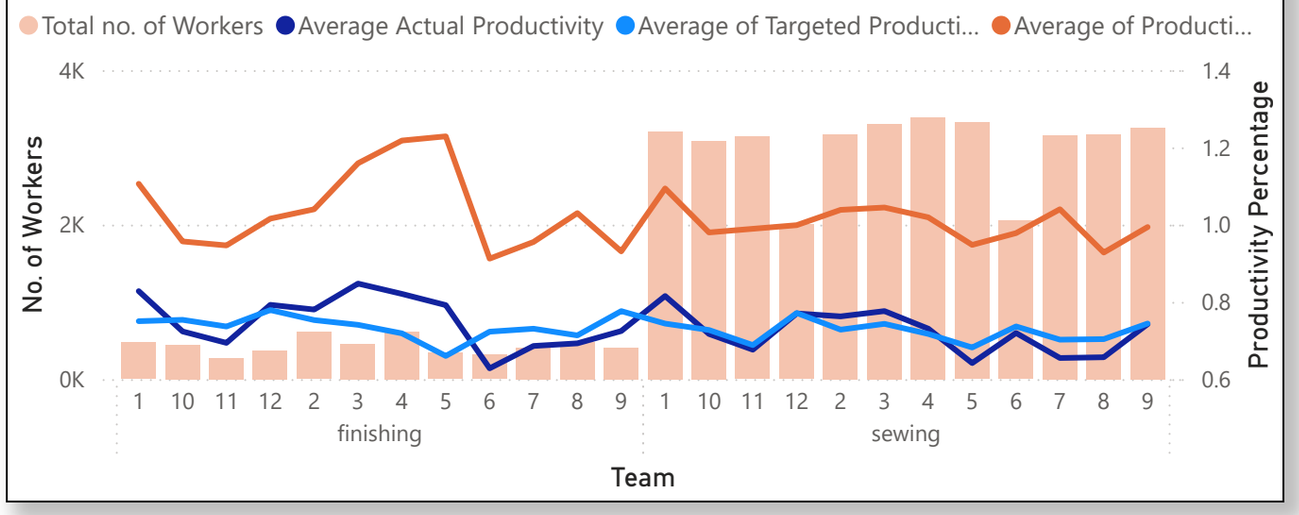
1	2	874
Average Productivity Ratio	Departments	Total Idle Time (mins)

Team
- 1
- 10
- 11
- 12
- 2

Productivity Analysis



Team Performance



Productivity Analysis Key Insights:
- Strong seasonal pattern in productivity: Actual productivity generally exceeds targets from April to June; Significant decline in productivity during winter months (November-February)
- Peak performance in June (~80% actual vs ~78% target)
- Mid-year performance is consistently better

Team Performance Key Insights:
- Finishing department has better productivity when compared to the sewing department
- Actual productivity variations within departments:
  Sewing: 64% (Team 5) -82% (Team 1) range | Finishing: 63% (Team 6)-85% (Team 3) range
- Teams consistently exceeding productivity targets:
  Finishing: Team 1, 4, 12, 2, 3, & 5 | Sewing: Teams 1, 2, 3, & 4

Garments Factory Workers Productivity Analysis: Workforce Distribution and Efficiency

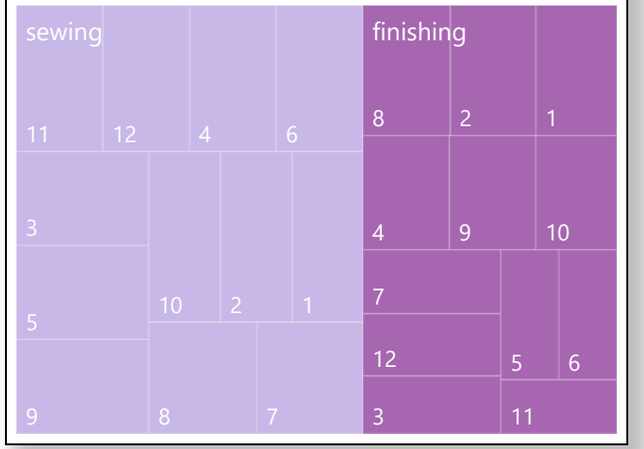
12
Average Number of Teams per Department

35
Average Number of Workers per Team

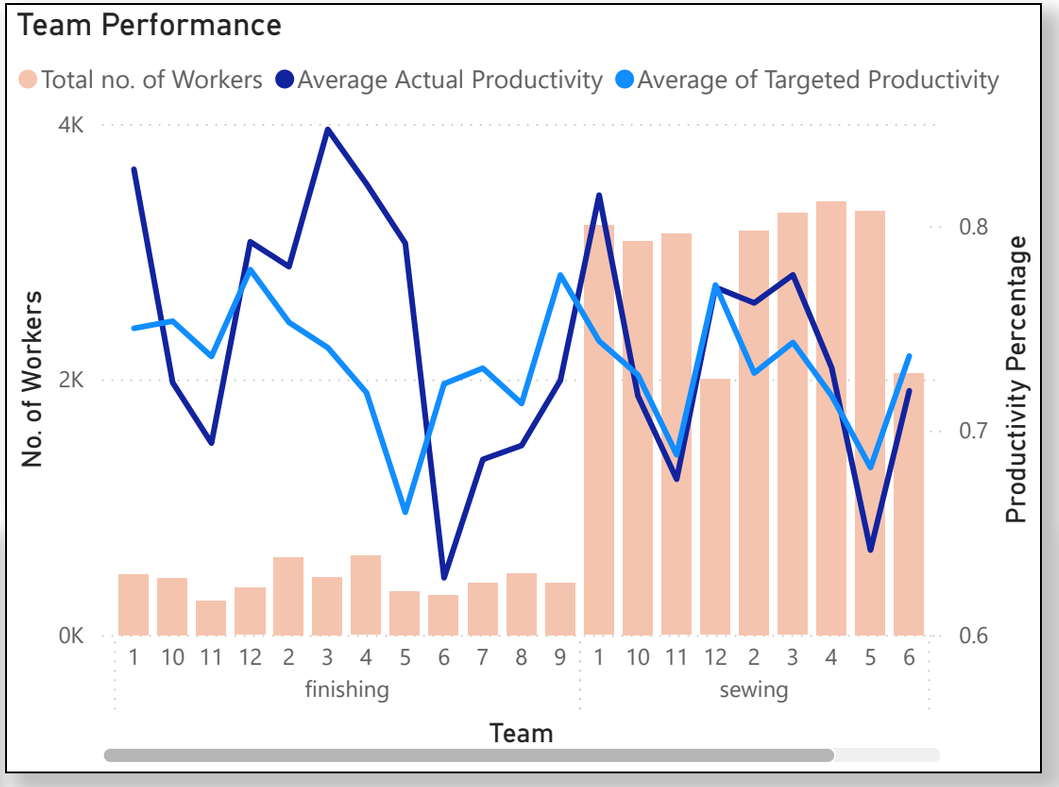
38.21
Average Incentive per Team (BDT)

Team
- 1
- 10
- 11
- 12
- 2

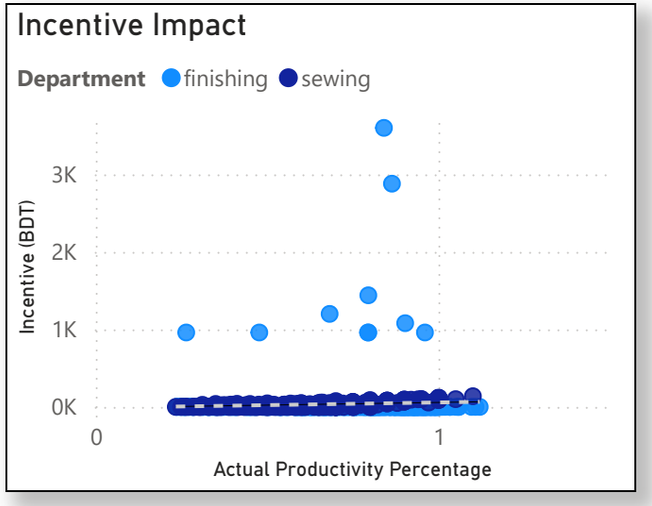
Workers Distribution- Department & Team



Team Performance



Incentive Impact



Workers Distribution Key Insights:
- Teams are distributed unevenly across departments: Sewing department appears to be the larger operation
- Sewing department has larger team sizes
- Clear organizational structure with distinct team numbering

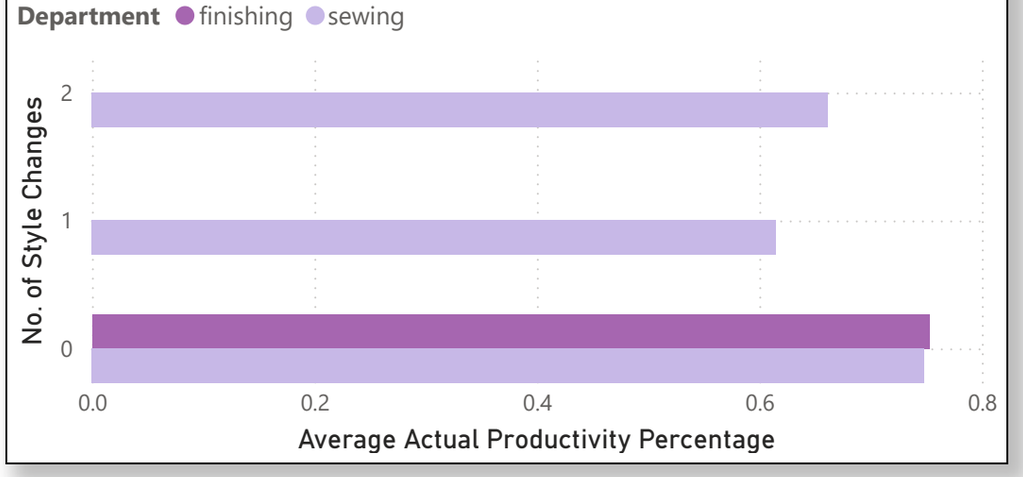
Incentive Impact Key Insights:
- Higher productivity (0.8-1.0) correlates with higher incentives (up to 3500)
- Finishing department shows consistently lower incentives
- Most teams cluster in the lower incentive range
- Positive correlation between incentives and productivity
- Significant disparity in incentive distribution between

Garments Factory Workers Productivity Analysis: Production Efficiency Metrics

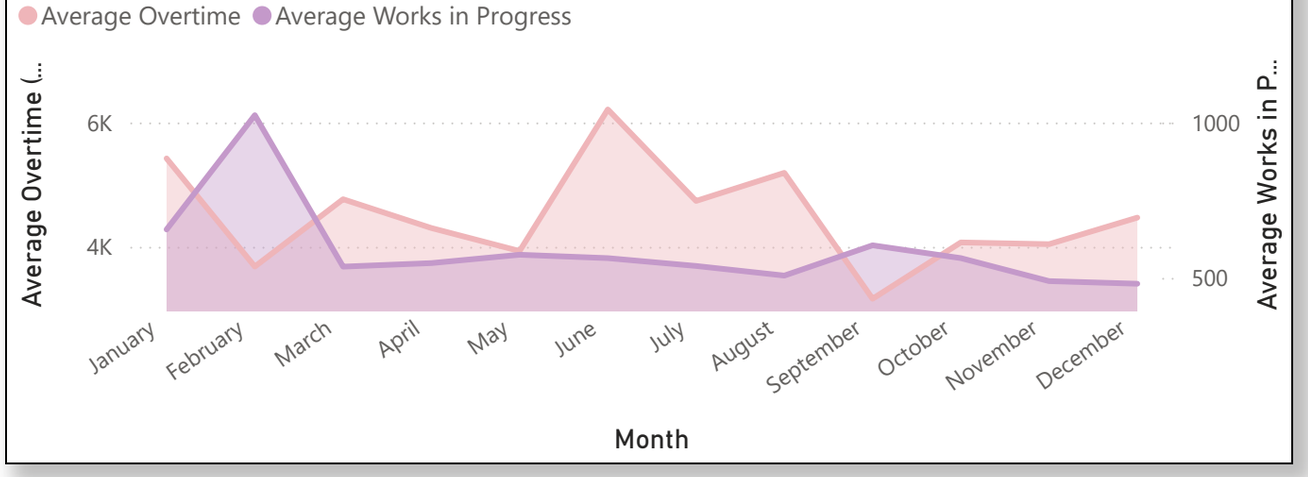
0	687	4.57K
Average Number of Style Changes	Average WIP	Average Overtime (mins)

Team
- 1
- 10
- 11
- 12
- 2

Style Change Impact



Workload Analysis



Style Change Impact Key Insights

- Style changes have a negative impact on productivity
- Departments handle style changes differently
- Need to minimize style changes for better productivity
- Sewing department handles more style changes than finishing

Workload Analysis Key Insights

- Overall trend suggests improving process efficiency or declining orders
- Better workload distribution throughout the year: potential underutilization of capacity in year-end
- Investigation of June's high overtime needs: deadline pressures or seasonal demand
- Understanding the successful practices that led to WIP reduction: Feb's high WIP might suggest production bottlenecks
- Optimization of workforce planning for peak periods

Garments Factory Workers Productivity Analysis: Time Analysis & Loss Management

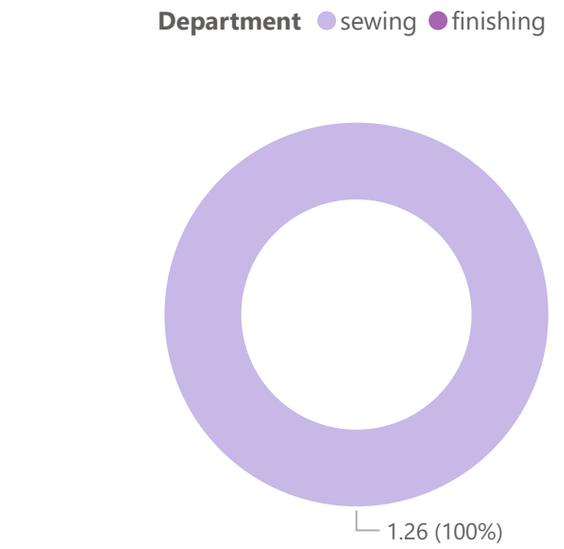
15.06	874	Q2	May
Average SMV	Total Idle Time (mins)	Most Productive Quarter	Most Productive Month

Team
- 1
- 10
- 11
- 12
- 2

Production Interruption Patterns

Day	January	February	March	April	May	June	July	August	September	October	November	December	Total
1													0.0
2													3.9
3													0.0
13													0.0
14													0.0
15													0.0
16													0.1
17													0.3
18													0.3
19													0.2
20													0.0
21													0.0
22													0.1
23													0.0
24													0.0
25													0.0
26													0.0
27													0.0
28													0.0
Total	**0.02**	**0.17**	**0.10**	**3.93**	**0.07**	**0.00**	**9.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.7**

Time Loss Analysis



Production Interruption Pattern Key Insights

- Production interruptions are concentrated in specific periods | Highest interruptions in July (9.50)
- Most of the month shows stable production with few interruptions | Early month days (1-3) show more interruptions

Time Loss Analysis Key Insights

- Time loss is concentrated entirely in one department: Sewing (1.26)
- Need for focused intervention in the sewing department