EASE

Tip Sheet

Pareto Chart:

5-Point Checklist

Pareto Chart Tip Sheet: 5-Point Checklist

Below is a quick 5-point checklist for creating a Pareto chart to aid in root cause analysis. Download an Excel file of this Pareto chart data to fill in your own numbers.

01	Tally Data

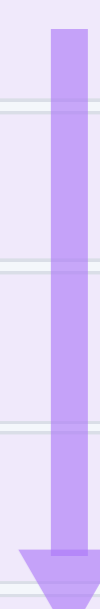Record occurrences by different categories of causes for a set period of time.

	Error	Occurrence
Category	Missing/Wrong Parts	75
	Blocked Line	8
	Missing Too	6
	Other	4
	Maintenance Issues	2

02	Reorder Data

Sort data in descending order (highest to lowest).

	Error	Occurrence	
Category	Missing/Wrong Parts	75	
	Blocked Line	8	
	Missing Too	6	
	Other	4	
	Maintenance Issues	2	

03	Create Bar Graph

Use data to create a bar chart.

Errors on Assembly Line
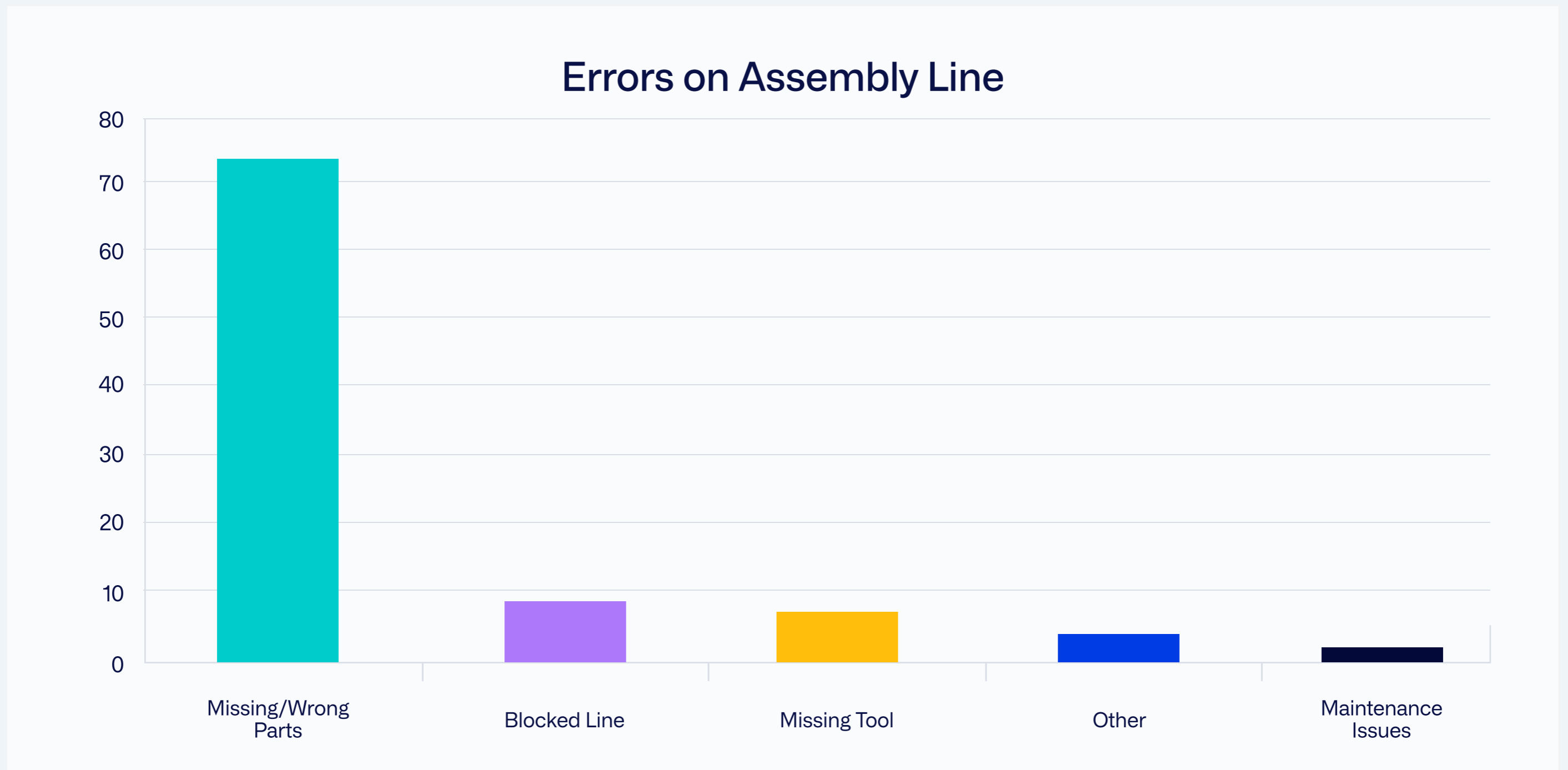

04	Add Cumulative and Weighted Totals

Add columns for cumulative totals (the number of occurrences so far among previous rows) and weighted totals (cumulative total divided by total number of errors).

Error	Occurrence	Cumulative	Weighted Totals
Missing/Wrong Parts	75	75	78.9%
Blocked Line	8	83	87.4%
Missing Too	6	89	93.7%
Other	4	93	97.9%
Maintenance Issues	2	95	100%

| 05 | Add Cumulative Line |

Add weighted totals to bar graph as a line.

Errors on Assembly Line
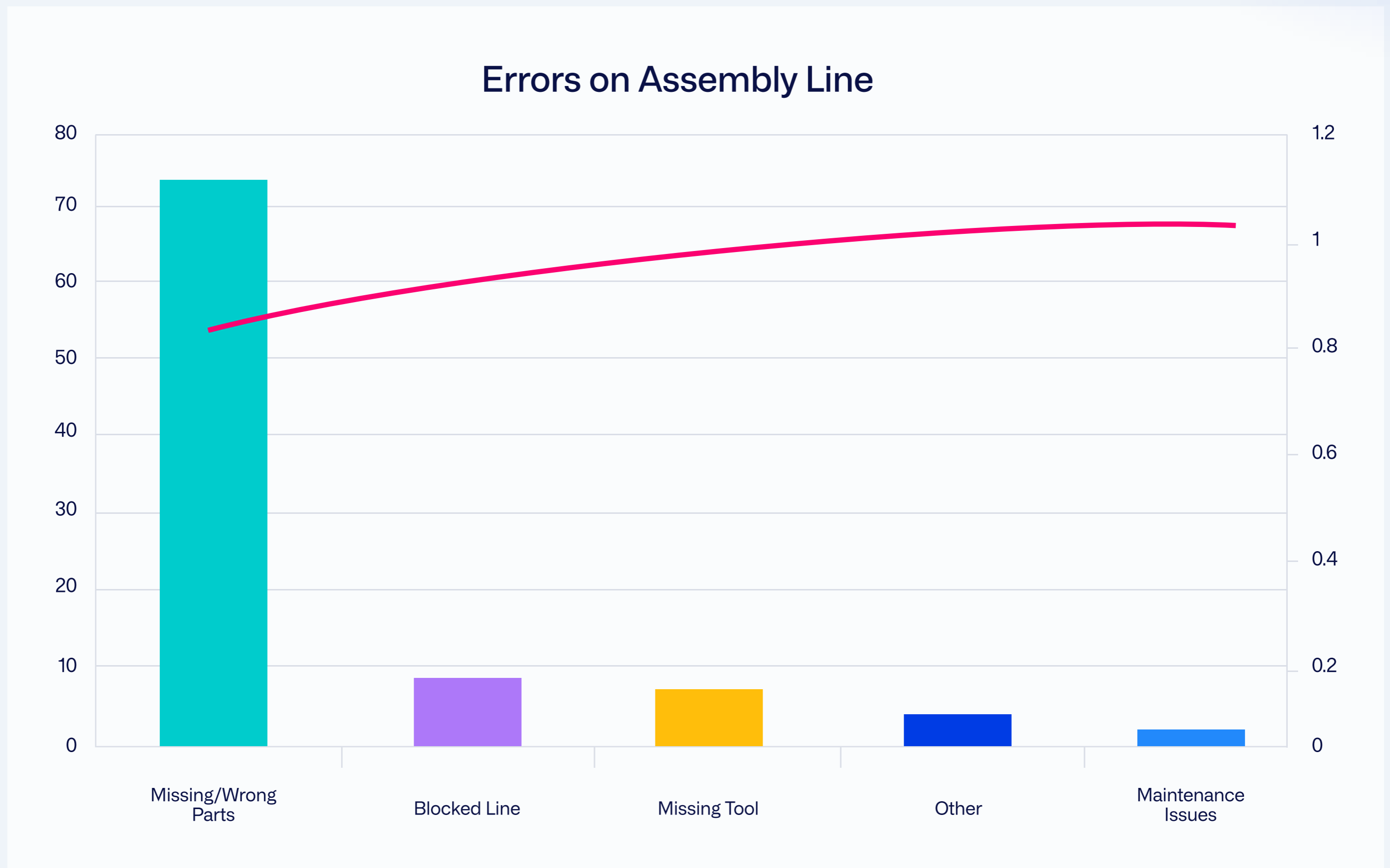
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