Maintenance Analysis Report

Data Overview

Dataset Overview

Rows: 156Columns: 10

Columns

Work Order ID

• Technician Name

- Technician ID
- Parts Used
- Parts Cost
- Work Hours
- Task Status
- Completion Notes
- Equipment ID
- Task ld

Numerical Statistics

Column	Mean	Min	Max	Std
Parts Cost	43.73	2.95	215.6	45.58
Work Hours	1.25	0.25	4.5	0.96

Categorical Statistics

Column	Top Categories	Counts
Work Order	WO-10345, WO-10346, WO-10347, WO-10348, WO-10349	1, 1, 1, 1, 1
Technician Name	John Smith, Sarah Johnson, Michael Brown, Emily Davis, David Wilson	1, 1, 1, 1, 1
Technician ID	TECH-224, TECH-213, TECH-227, TECH-225, TECH-231	3, 3, 3, 3, 2

Column	Top Categories	Counts
Parts Used	Pressure gauge, Control valve, Pressure sensor, Drive belt, Pressure switch	2, 2, 2, 2, 2
Task Status	Completed, In Progress, Scheduled, On Hold	152, 2, 1, 1
Completion Notes	Seal replaced, Gasket replaced, Washer replaced, Nut tightened, Bolts tightened	7, 7, 6, 4, 4
Equipment ID	EQP-1036, EQP-1090, EQP-1080, EQP-1075, EQP-1023	18, 18, 18, 17, 17
Task ld	TASK-77888, TASK-99678, TASK-45943, TASK-45225, TASK-43237	18, 18, 18, 17, 17

Missing Values

Column	Missing Values
Work Order ID	0
Technician Name	0
Technician ID	0
Parts Used	0
Parts Cost	0
Work Hours	0
Task Status	0
Completion Notes	0
Equipment ID	0
Task ld	0

Insights

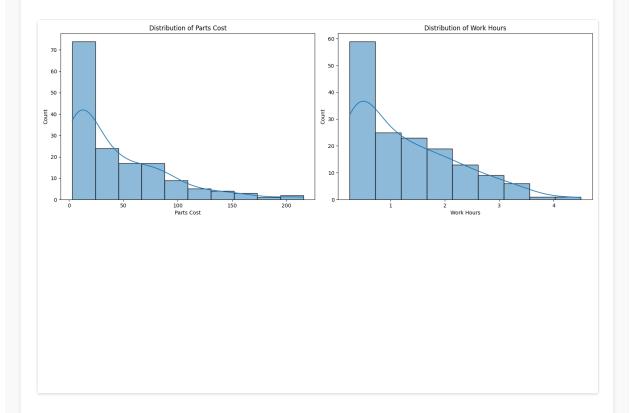
'Work Hours': 'cou', 'Work Hours': 'co

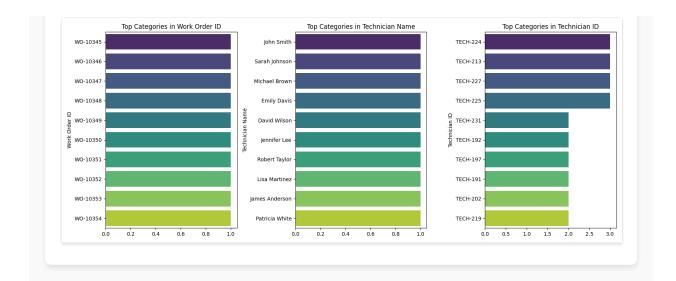
Hours': 'cou', 'Work Hours': '

Recommendations

- Predicted Parts Cost with R2 score: 0.85
- Clustered equipment for optimized scheduling.

Visualizations





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