

# Maintenance Analysis Report

## Data Overview

### Dataset Overview

- **Rows:** 156
- **Columns:** 10

### Columns

- Work Order ID
- Technician Name
- Technician ID
- Parts Used
- Parts Cost
- Work Hours
- Task Status
- Completion Notes
- Equipment ID
- Task Id

### 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 ID	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



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## Recommendations

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

## Visualizations



