

Analytics Report: sample_equipment_data (1).csv

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Dataset Overview

Property	Value
Dataset Name	sample_equipment_data (1).csv
Total Rows	15
Total Columns	N/A
Numeric Columns	4

Summary Statistics

Flowrate

Metric	Value
Mean	116.57
Median	127.50
Std Dev	35.83
Min	58.00
Max	160.00
Count	14
Missing	1

Pressure

Metric	Value
Mean	13.86
Median	6.05
Std Dev	29.52
Min	4.00
Max	116.30
Count	14
Missing	1

Temperature

Metric	Value
Mean	183.07
Median	118.50
Std Dev	277.44
Min	1.00
Max	1140.00
Count	14
Missing	1

Price

Metric	Value
Mean	150.71
Median	75.00
Std Dev	285.27
Min	10.00
Max	1130.00
Count	14
Missing	1

Key Insights

- Highest variability: Price (std = 285.27)
- Largest mean value: Temperature (mean = 183.07)
- Most volatile by CV: Pressure (CV = 2.13)
- Most stable by CV: Flowrate (CV = 0.31)
- Most skewed: Pressure (skew = 3.73)
- Top positive correlation: Flowrate vs Temperature (r=0.47)
- Top negative correlation: Pressure vs Price (r=-0.06)
- Outlier-heavy: Temperature (2 points, 13.3% of rows)

Outlier Analysis

Pressure - 1 outliers

Property	Value
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Lower Bound	2.37
Upper Bound	9.98
Outlier Count	1
Sample Values	116.30

Temperature - 2 outliers

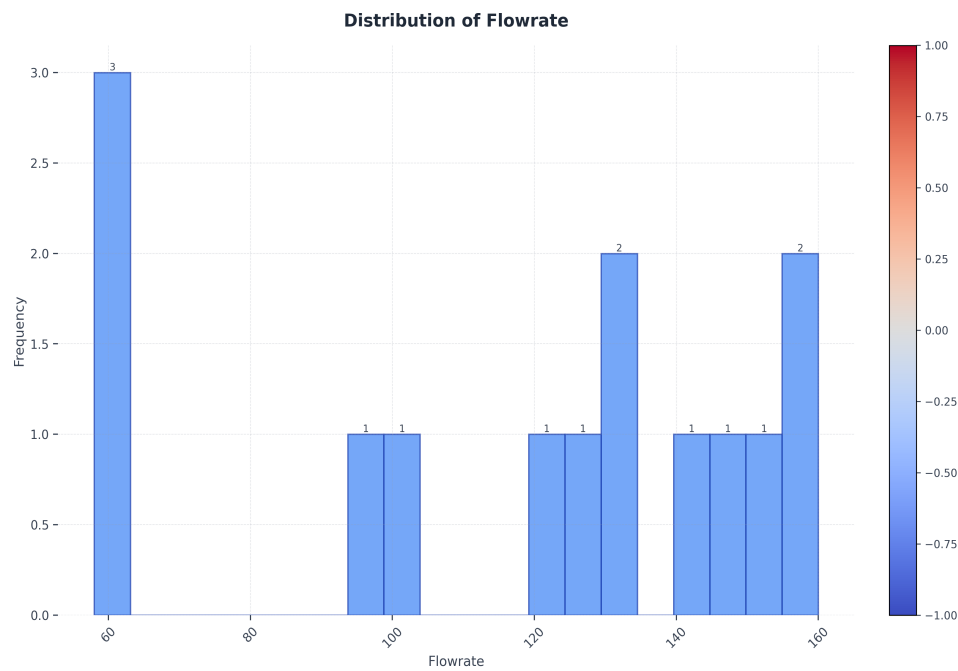
Property	Value
Lower Bound	75.12
Upper Bound	162.12
Outlier Count	2
Sample Values	1140.00, 1.00

Price - 1 outliers

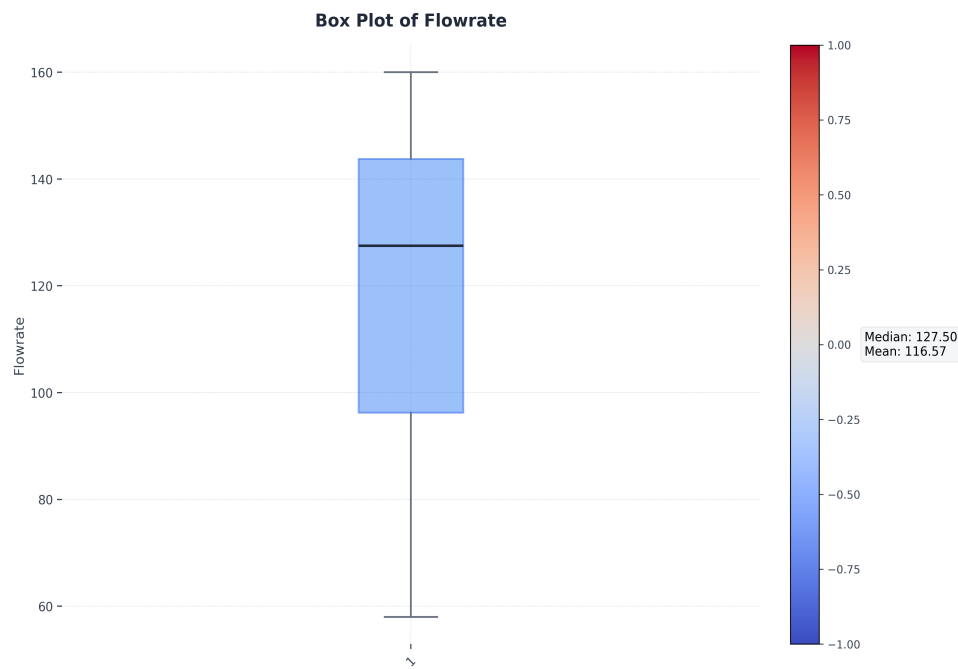
Property	Value
Lower Bound	-70.00
Upper Bound	230.00
Outlier Count	1
Sample Values	1130.00

Visualizations

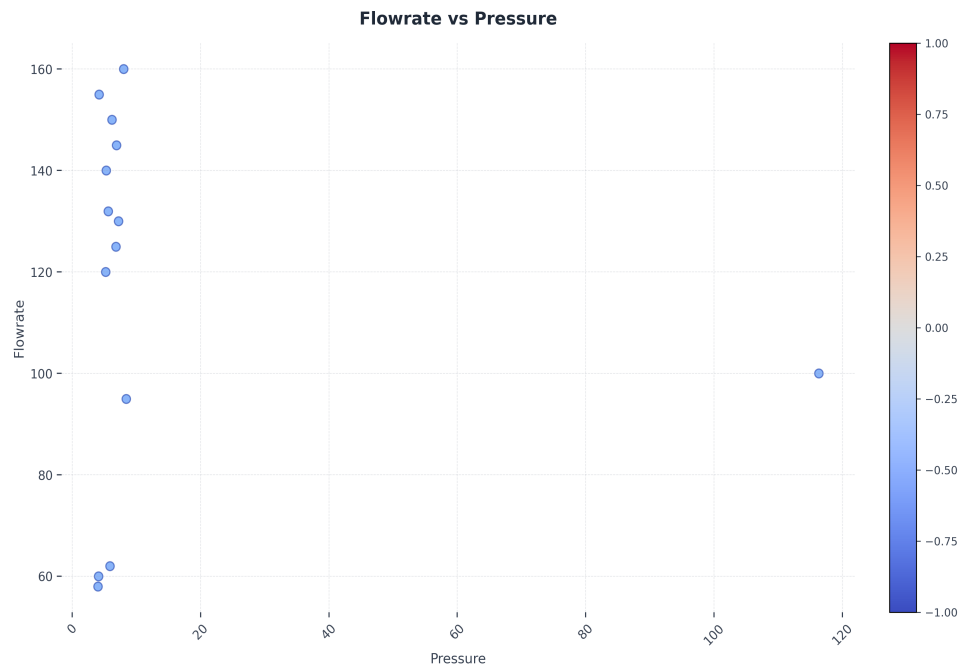
Histogram



Box Plot



Scatter Plot



Correlation Heatmap

