

# MACHINE PERFORMANCE REPORT

03 September 2025

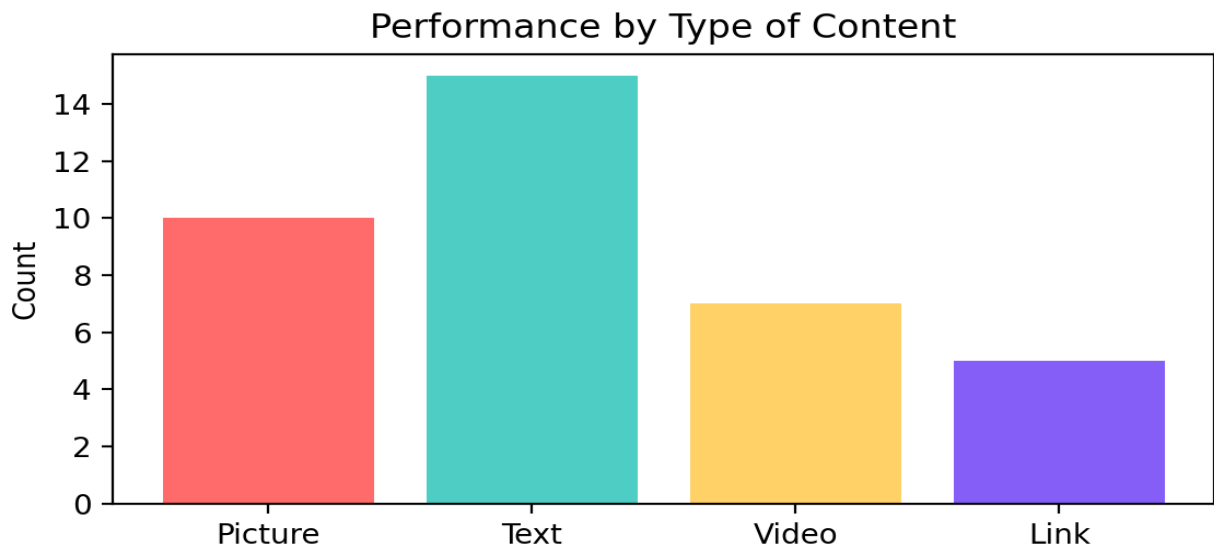
## Summary

SrNo	Date	NO	CO	NO2	O3	SO2	PM2.5	Benzene	Toulene	P_Xylene	NOx	PM10	WindDirection
1	04-04-2015	7.22	1.77	47.94	51.07	16.88	48.99	2.53	9.65	3.0	52.97	82.85	141.61
2	05-04-2015	6.99	0.22	45.27	19.26	16.71	60.2	3.19	11.1	2.67	51.31	113.53	166.34
3	09-04-2015	7.6	0.5	59.86	94.29	13.11	46.93	2.29	8.61	3.43	65.53	171.36	220.18
4	10-04-2015	7.57	0.77	63.56	66.91	16.19	112.95	3.92	10.76	4.66	68.83	232.22	233.0
5	11-04-2015	8.34	0.48	61.99	69.48	20.28	104.87	5.19	15.95	7.66	67.4	235.05	221.01
6	12-04-2015	6.89	0.41	50.71	33.28	18.84	48.74	2.12	7.57	2.47	56.19	111.06	162.73
7	13-04-2015	6.89	0.37	50.47	45.15	16.26	62.7	2.29	7.62	2.8	55.71	119.54	173.54
8	14-04-2015	7.21	1.25	48.96	52.98	17.38	66.6	2.36	7.45	2.57	54.88	132.65	163.34

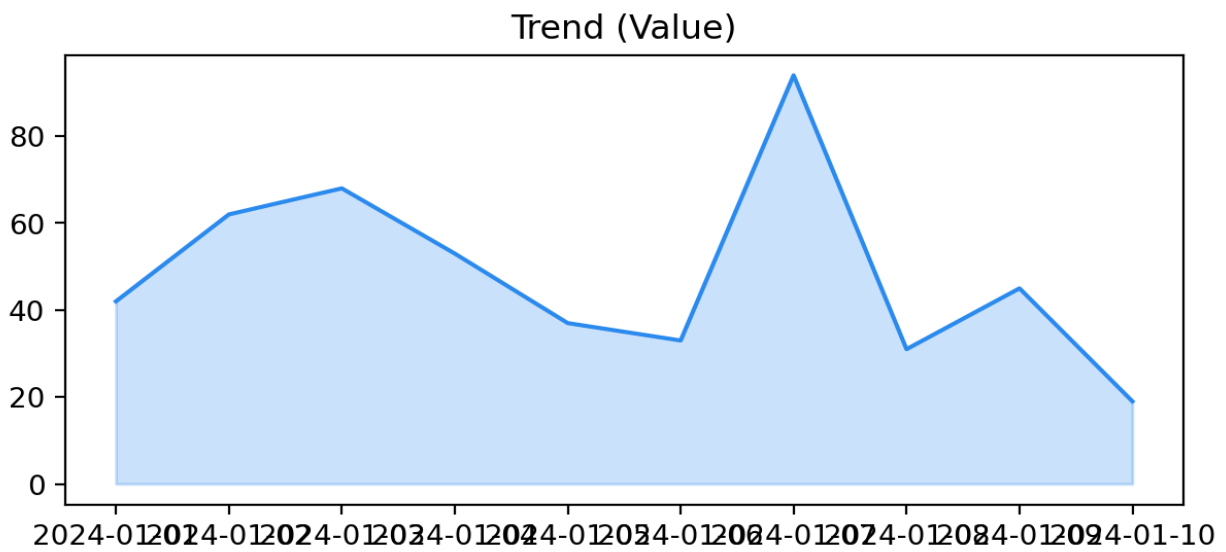
## Key Metrics (Numeric columns)

column	count	mean	std	min	25%	50%	75%	max
SrNo	403.0	202.0	116.48	1.0	101.5	202.0	302.5	403.0
Date	0.0	nan	nan	nan	nan	nan	nan	nan
NO	401.0	81.32	97.2	1.12	11.38	39.22	118.03	480.9
CO	402.0	2.21	1.6	0.22	1.2	1.78	2.74	19.9
NO2	401.0	74.43	25.86	25.27	54.5	73.68	91.43	149.01
O3	397.0	56.3	29.69	4.98	30.12	53.21	76.85	159.7
SO2	399.0	25.99	25.27	0.0	9.52	21.68	37.14	371.75
PM2.5	401.0	130.16	84.2	18.75	68.11	108.24	166.16	550.23
Benzene	402.0	6.53	3.98	0.16	3.24	5.91	8.94	17.51
Toulene	402.0	17.19	10.41	0.0	9.7	16.24	22.97	48.41
P_Xylene	372.0	8.13	6.73	0.3	3.38	6.06	10.57	32.35
NOx	401.0	194.68	141.12	26.49	87.67	152.31	264.38	743.7

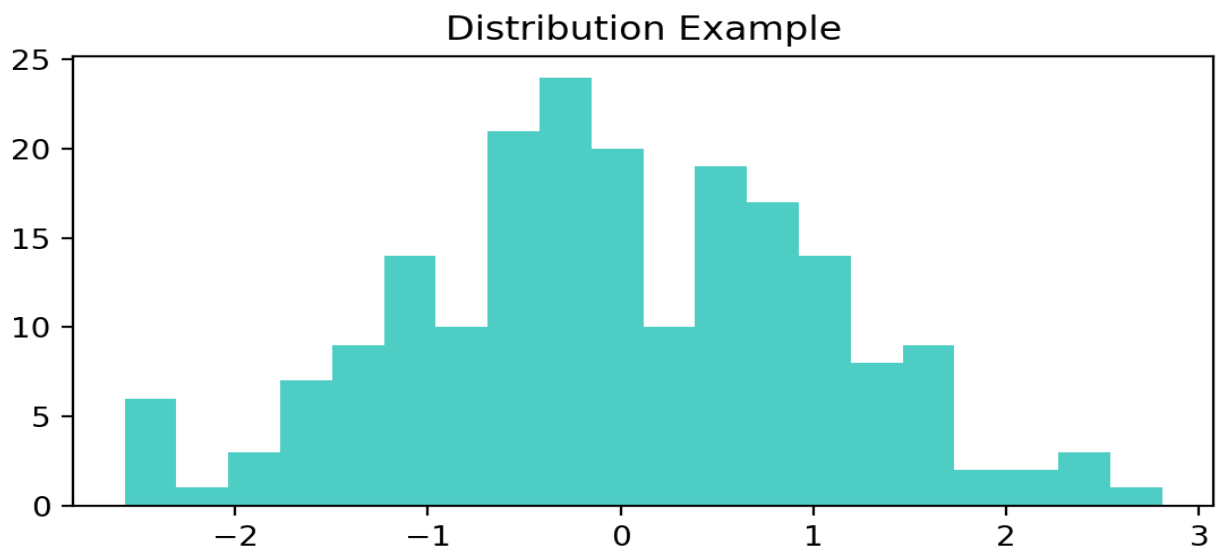
## Performance by Type of Content (Bar chart)



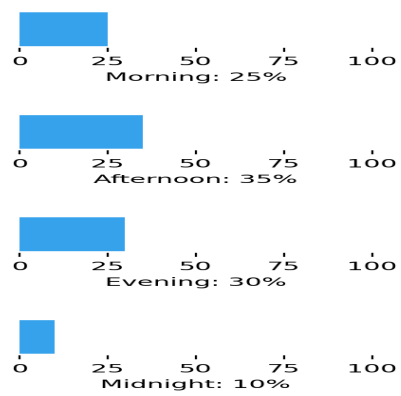
Trend over Time (Line & Area)



Distribution (Histogram)



### Peak Engagement Times (Gauge-like bars)



### Automated Summary

- Column with largest total: **BarPressure**