

EDP report for Air quality Freiburg, hourly (demo)

Title	Air quality Freiburg, hourly (demo)
Description	Hourly NO2, PM10, PM2.5 and temperature at three stations, 14 days. Synthetic values with a few gaps and outliers.
Publisher	DEMO: City of Freiburg (synthetic)
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Tags	environment, air quality, demo
EDP creation date	26.10.2026 18:59
EDP generated by	EDP Service @ 1.2.12.dev0+gab54baf98.d20260407
EDP version	1.2.2.dev1+gbf7a976f1

Dataset air-quality-freiburg-demo_csv

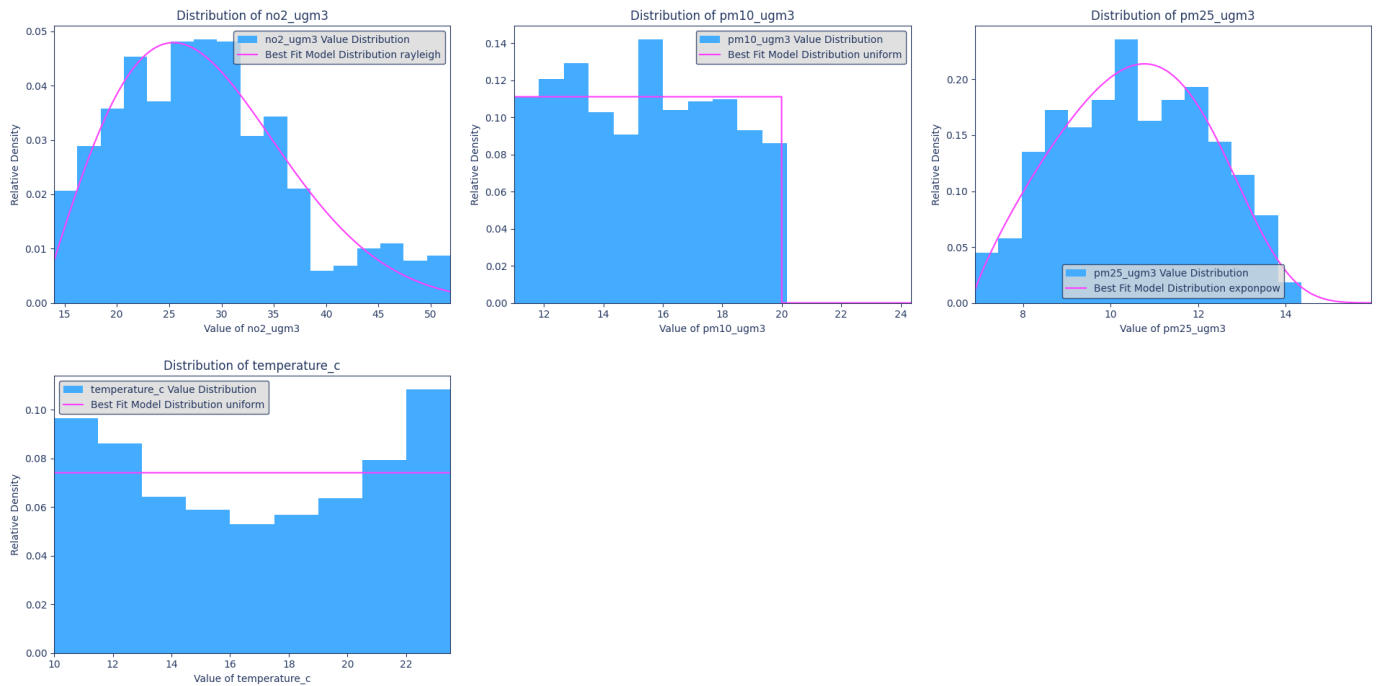
Dataset type	Structured
File type	CSV
File size	54.9 kB
Data types	numeric (4), string (1), date (1)
Number of columns	1008
Number of rows	6

Attribute list

attribute	type	specification	no. missing	no. inconsistent	no. interpretable	no. unique
no2_ugm3	numeric	Float32	10	0	998	317
pm10_ugm3	numeric	Float32	0	0	1008	96
pm25_ugm3	numeric	Float32	0	0	1008	79
temperature_c	numeric	Float32	0	0	1008	136
timestamp	date/time	ISO8601	0	0	1008	336
station	string	string	0	0	1008	3

Numeric value distribution

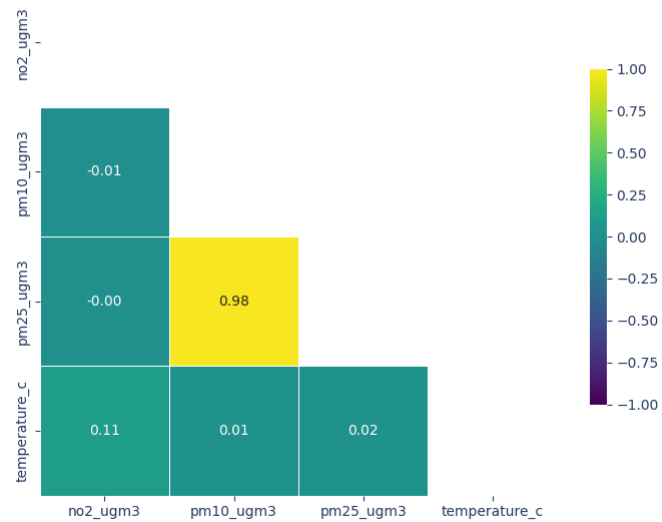
attribute	distribution
no2_ugm3	rayleigh
pm10_ugm3	uniform
pm25_ugm3	exponpow
temperature_c	uniform



Date/time value distribution

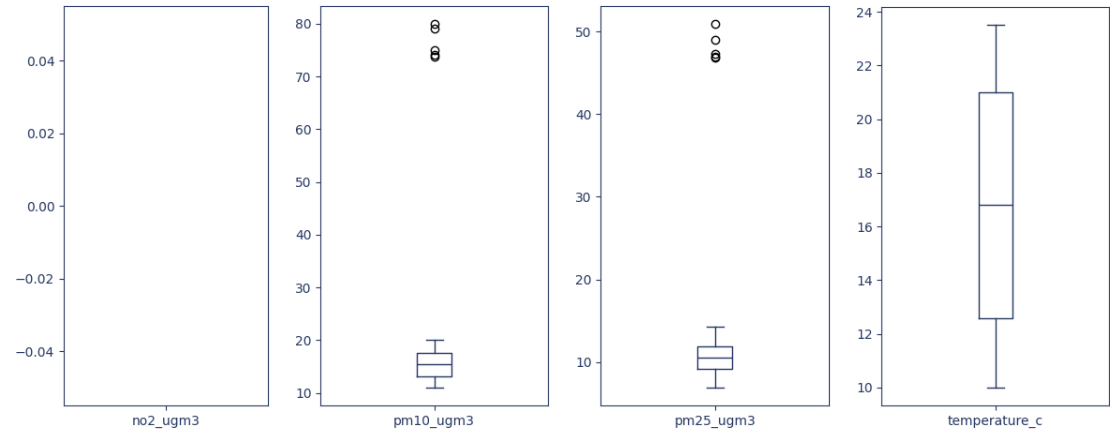
attribute	periodicity
timestamp	hours

Numeric correlation analysis

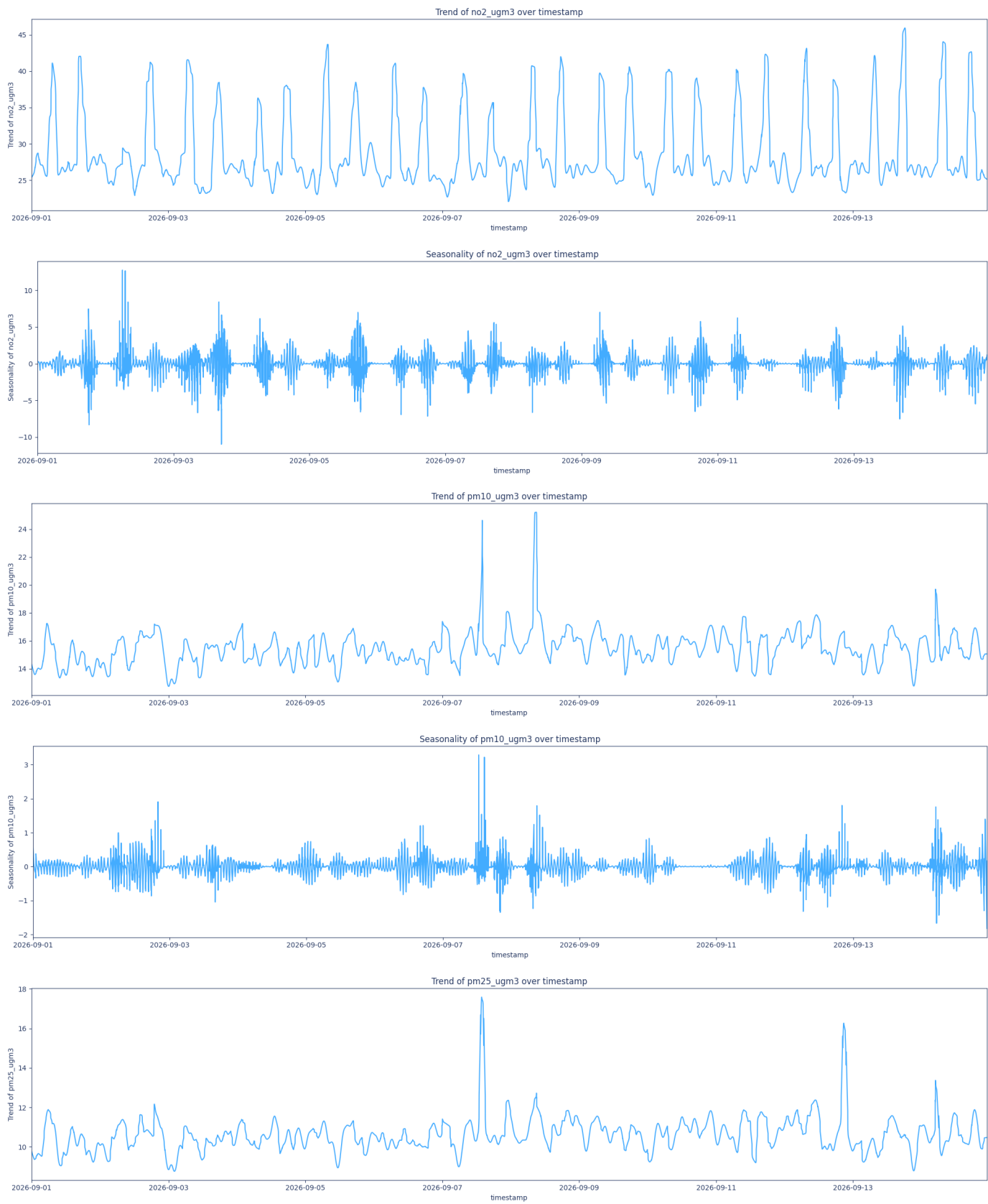


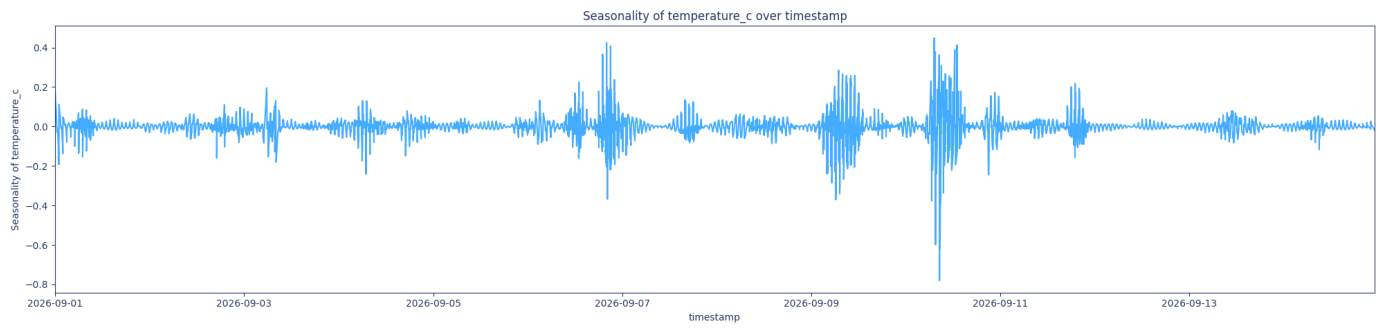
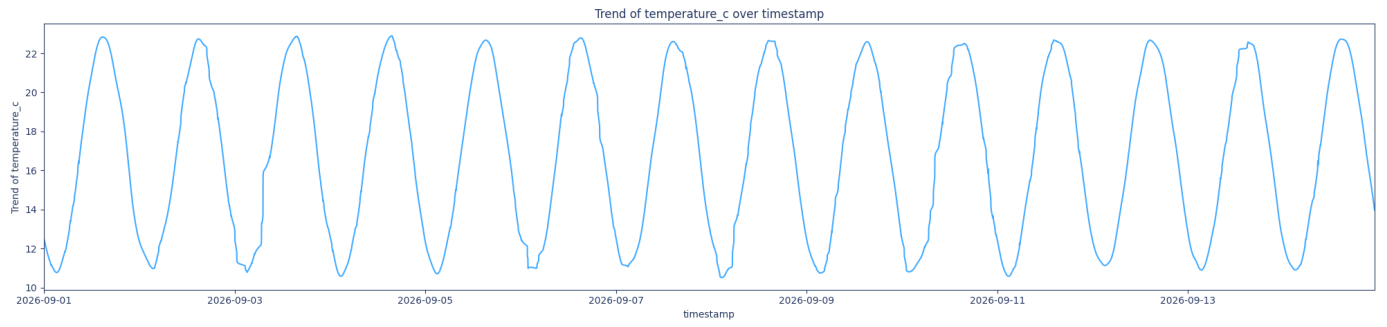
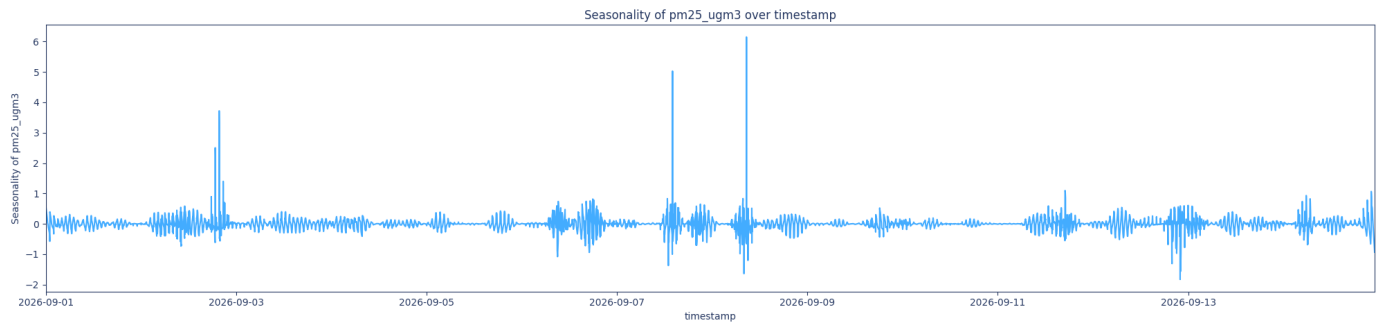
Numeric anomaly analysis

attribute	upper quantile	lower quantile	no. outlier percentile	upper z-score	lower z-score	no. outlier z-score	upper iqr	lower iqr	iqr	no. outlier iqr
no2_ugm3	34.0	22.1	20	56.16	1.79	0	51.85	4.25	11.9	18
pm10_ugm3	17.6	13.1	11	30.72	0.71	5	24.35	6.35	4.5	5
pm25_ugm3	11.9	9.2	19	20.16	1.33	5	15.95	5.15	2.7	5
temperature_c	21.0	12.58	17	29.61	3.92	0	33.64	-0.06	8.42	0



Data seasonality





Created with EDP Service @ 1.2.12.dev0+gab54baf98.d20260407

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