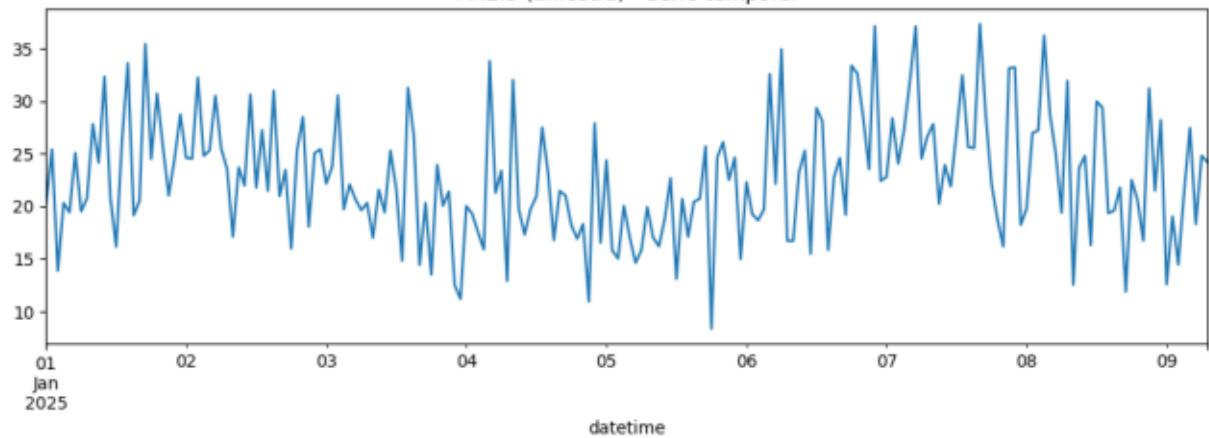
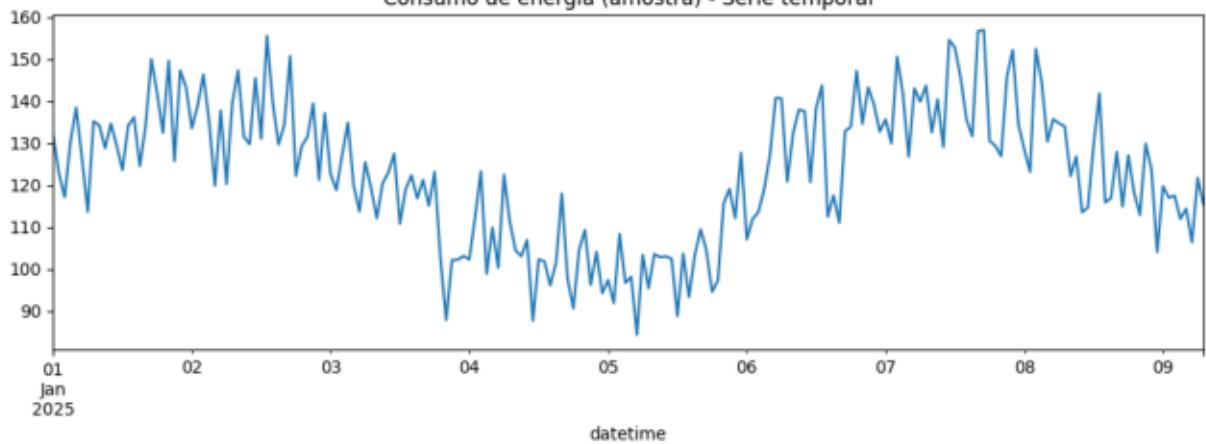


Análise de Dados Ambientais para Soluções Sustentáveis nas Cidades\n\nResu

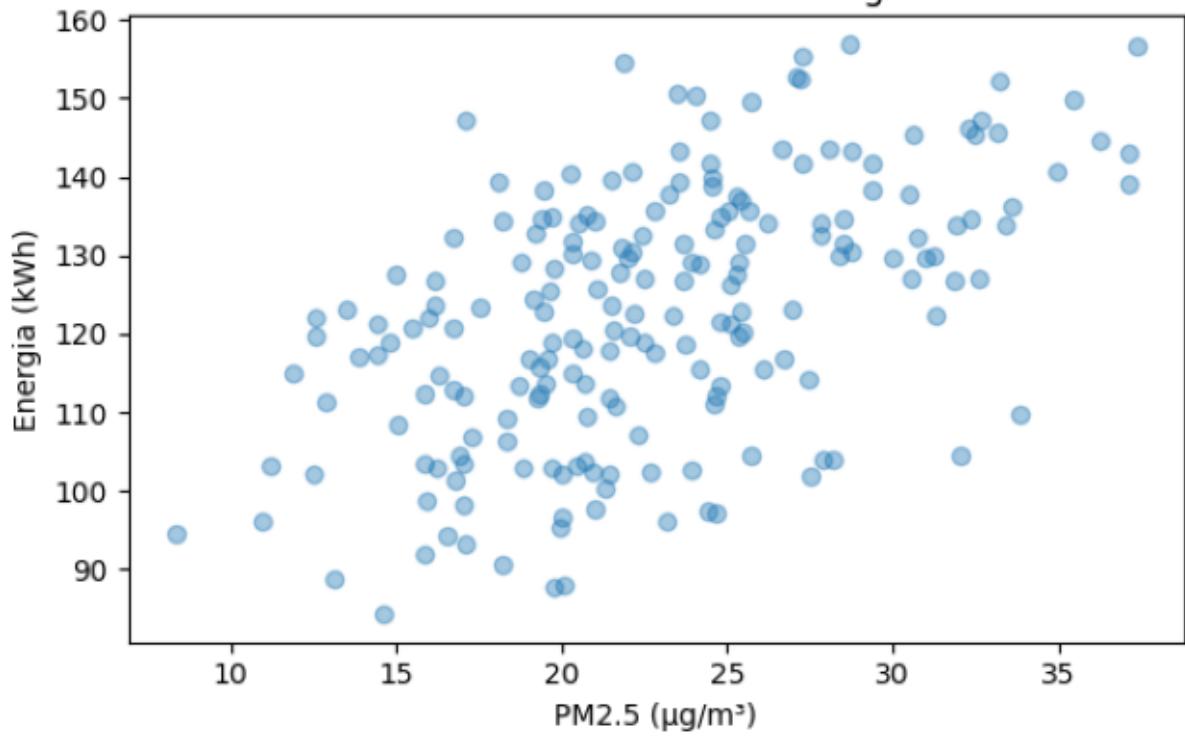
PM2.5 (amostra) - Série temporal



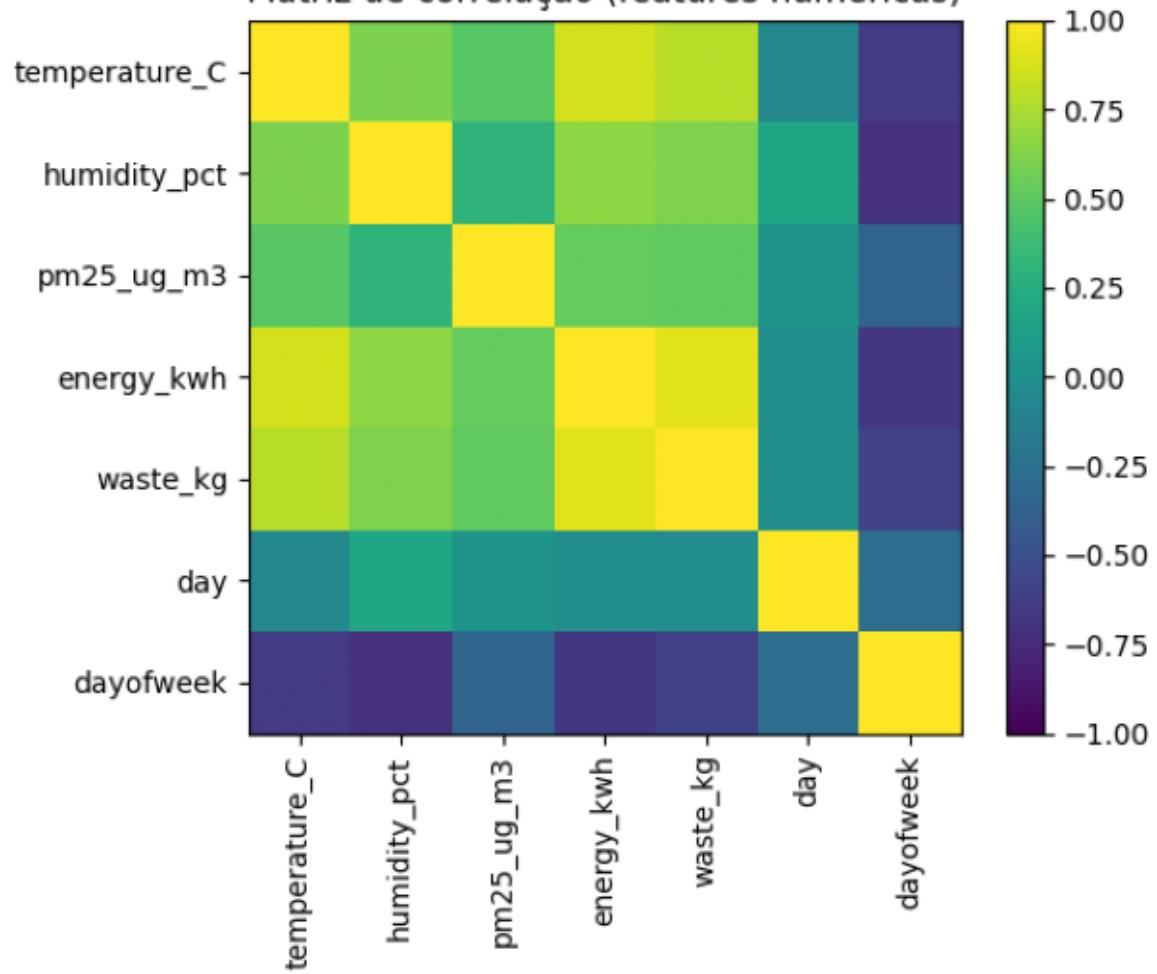
Consumo de energia (amostra) - Série temporal



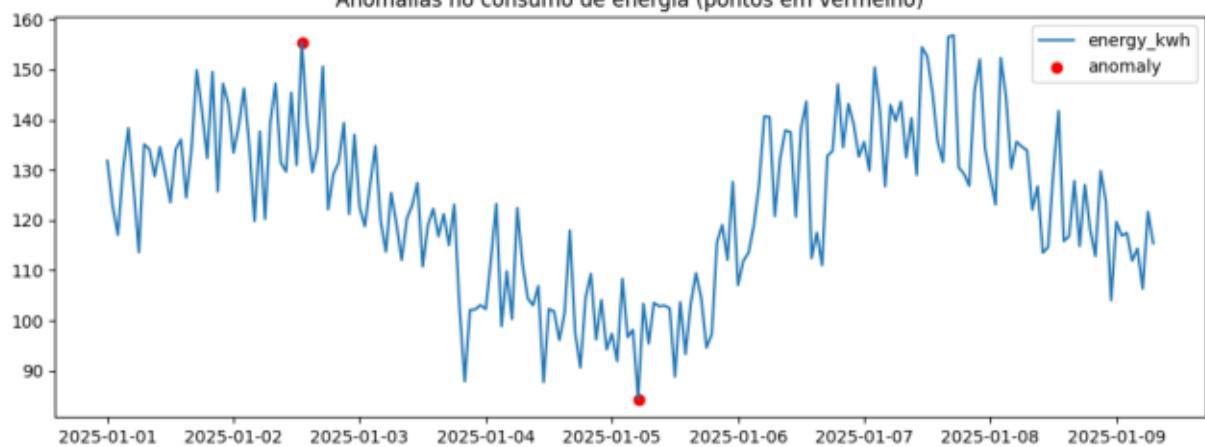
PM2.5 vs Consumo de energia



Matriz de correlação (features numericas)



Anomalias no consumo de energia (pontos em vermelho)



Matriz de correlação (features numericas):

	temperature_C	humidity_pct	pm25_ug_m3	energy_kwh	waste_kg	day	dayofweek
temperature_C	1.0	0.61	0.48	0.86	0.79	-0.06	-0.65
humidity_pct	0.61	1.0	0.3	0.66	0.61	0.18	-0.71
pm25_ug_m3	0.48	0.3	1.0	0.53	0.51	0.04	-0.36
energy_kwh	0.86	0.66	0.53	1.0	0.91	-0.01	-0.67
waste_kg	0.79	0.61	0.51	0.91	1.0	-0.02	-0.61
day	-0.06	0.18	0.04	-0.01	-0.02	1.0	-0.28
dayofweek	-0.65	-0.71	-0.36	-0.67	-0.61	-0.28	1.0

Modelo: RandomForestRegressor
MSE: 82.160
R2: 0.673
Importância de features:
temperatu
humidity_pct 0.083013
pm25_ug_m3 0.065536
dayofweek 0.017552
day 0.010836
water_l 0.000000