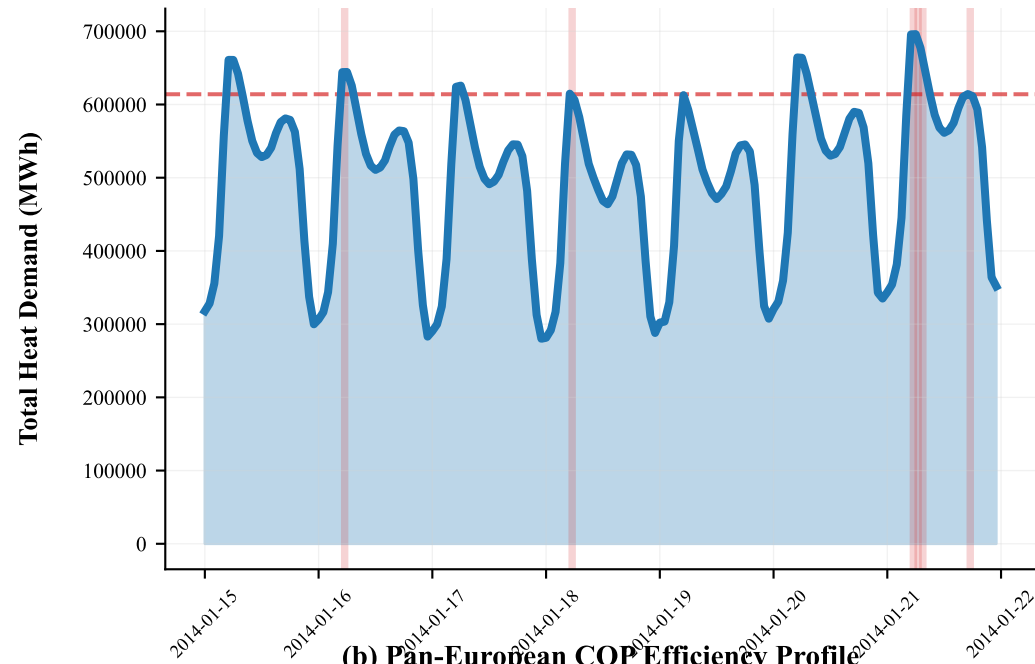
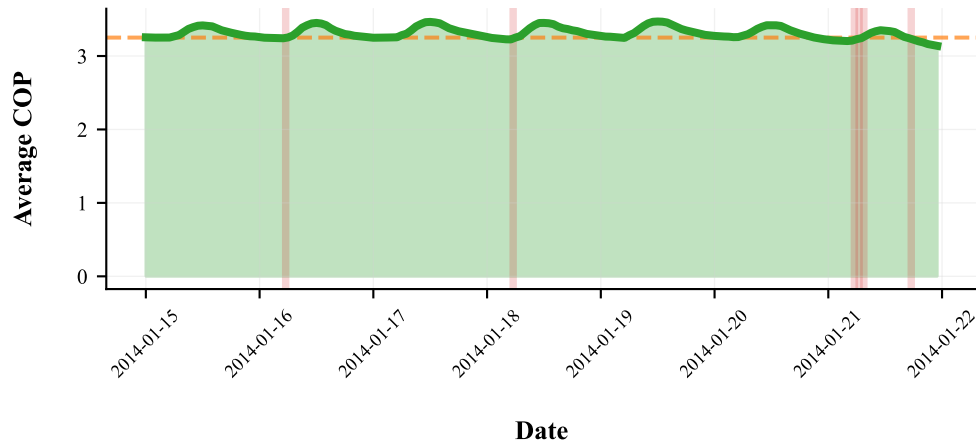


State-of-the-Art Pan-European Heat Pump Stress Detection Analysis

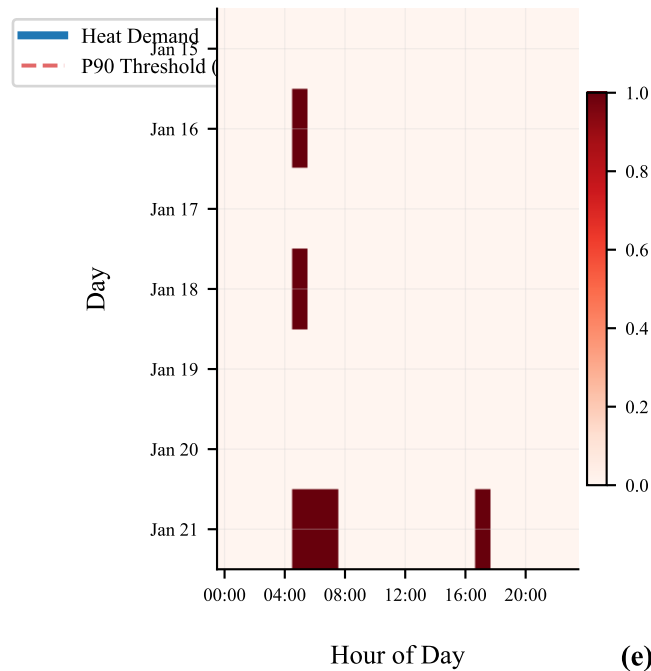
(a) Pan-European Heat Demand Profile



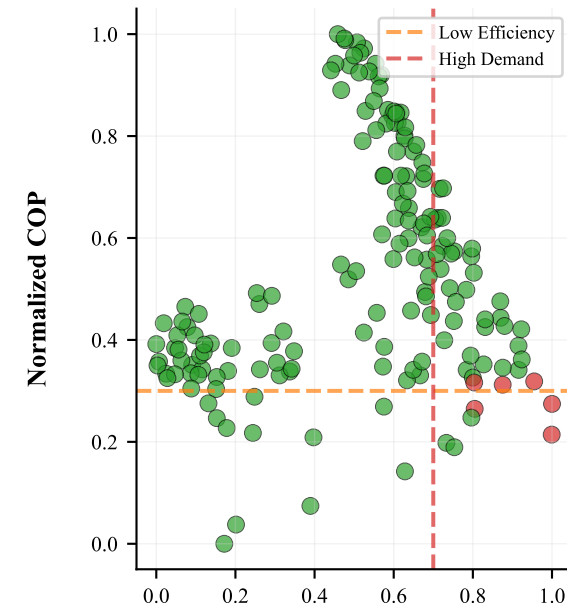
(b) Pan-European COP Efficiency Profile



(c) Stress Intensity Map



(d) Efficiency Zones



(e) Statistical Summary

Normalized Heat Demand

Metric	Value
Total Hours	168
Stress Hours	6
Stress Rate	3.6%
Avg Heat Demand	496168 MWh
Avg COP	3.31
Peak Demand	696106 MWh