

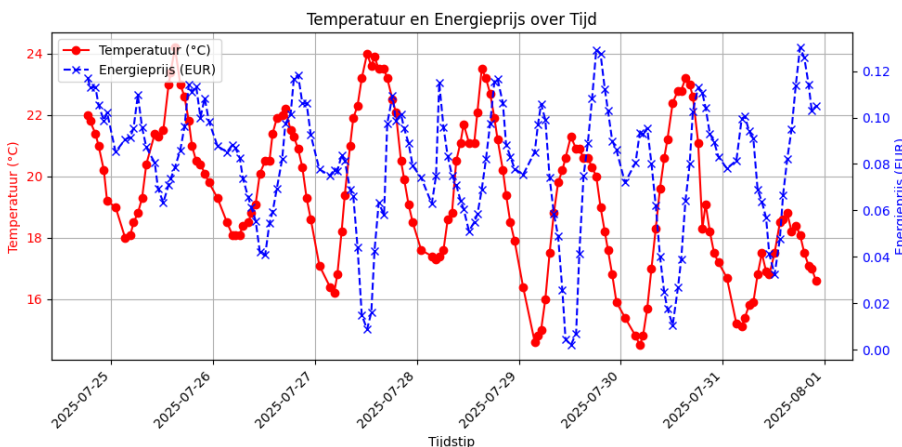
# Analysis report

Generated on: 2025-07-31 22:15:29

## Overview

This report analyzes the relationship between temperature (°C) and energy price (EUR).

## Graph



Temperature vs Energy Price

## Summary statistics

- **Temperature:** Mean = 19.5, Std Dev = 2.40858
- **Energy Price:** Mean = 0.0801249, Std Dev = 0.0275674
- **Correlation (Pearson):** -0.249844

## Data

Timestamp	Temperature (°C)	Energy Price (EUR)
2025-07-24T18:30	22.0	0.11693
2025-07-24T19:00	21.8	0.11283
2025-07-24T20:15	21.4	0.11320
2025-07-24T21:00	21.0	0.10530
2025-07-24T22:15	20.2	0.09874

2025-07-24T23:00	19.2	0.10217
2025-07-25T01:00	19.0	0.08523
2025-07-25T03:15	18.0	0.09053
2025-07-25T04:30	18.1	0.09160
2025-07-25T05:15	18.5	0.09556
2025-07-25T06:15	18.8	0.10967
2025-07-25T07:15	19.3	0.09566
2025-07-25T08:15	20.4	0.08720
2025-07-25T10:15	21.4	0.08043
2025-07-25T11:00	21.3	0.06940
2025-07-25T12:15	21.5	0.06343
2025-07-25T13:30	23.0	0.07098
2025-07-25T14:00	23.4	0.07370
2025-07-25T15:00	24.2	0.07859
2025-07-25T16:15	23.0	0.08599
2025-07-25T17:15	22.6	0.09611
2025-07-25T18:15	21.8	0.11420
2025-07-25T19:00	21.0	0.11113
2025-07-25T20:00	20.5	0.11332
2025-07-25T21:00	20.4	0.10000
2025-07-25T22:00	20.1	0.10838
2025-07-25T23:00	19.8	0.09837
2025-07-26T01:00	19.3	0.08777
2025-07-26T03:15	18.5	0.08511
2025-07-26T04:30	18.1	0.08826
2025-07-26T05:15	18.1	0.08687
2025-07-26T06:15	18.1	0.08266
2025-07-26T07:00	18.4	0.07387
2025-07-26T08:15	18.5	0.06563
2025-07-26T09:00	18.8	0.06133
2025-07-26T10:00	19.1	0.05553
2025-07-26T11:00	20.1	0.04204
2025-07-26T12:15	20.5	0.04086
2025-07-26T13:15	20.5	0.05445
2025-07-26T14:00	21.4	0.05943
2025-07-26T15:00	21.9	0.06958
2025-07-26T16:15	22.0	0.08212
2025-07-26T17:00	22.2	0.09721
2025-07-26T18:15	21.5	0.10159
2025-07-26T19:00	21.3	0.11672
2025-07-26T20:00	20.9	0.11836
2025-07-26T21:00	20.3	0.10620
2025-07-26T22:00	19.3	0.10604
2025-07-26T23:00	18.6	0.09244
2025-07-27T01:00	17.1	0.07773
2025-07-27T03:30	16.4	0.07500
2025-07-27T04:30	16.2	0.07751
2025-07-27T05:15	16.8	0.07703
2025-07-27T06:15	18.2	0.08376
2025-07-27T07:00	19.4	0.08145
2025-07-27T08:15	21.0	0.06905
2025-07-27T09:00	21.9	0.06635

2025-07-27T10:00	22.3	0.04432
2025-07-27T11:00	23.2	0.01504
2025-07-27T12:15	24.0	0.00885
2025-07-27T13:15	23.6	0.01608
2025-07-27T14:00	23.9	0.04260
2025-07-27T15:00	23.5	0.06338
2025-07-27T16:15	23.5	0.05800
2025-07-27T17:00	23.2	0.09729
2025-07-27T18:15	22.5	0.10948
2025-07-27T19:00	22.1	0.09870
2025-07-27T20:15	20.5	0.10134
2025-07-27T21:00	19.9	0.09522
2025-07-27T22:00	19.1	0.08910
2025-07-27T23:00	18.5	0.07924
2025-07-28T01:00	17.6	0.07407
2025-07-28T03:30	17.4	0.06288
2025-07-28T04:30	17.3	0.07500
2025-07-28T05:15	17.4	0.11500
2025-07-28T06:15	17.6	0.09593
2025-07-28T07:15	18.6	0.08327
2025-07-28T08:15	18.8	0.07508
2025-07-28T09:15	20.5	0.07109
2025-07-28T10:15	21.1	0.06438
2025-07-28T11:00	21.7	0.06058
2025-07-28T12:15	21.1	0.05116
2025-07-28T13:30	21.1	0.05495
2025-07-28T14:15	22.1	0.05839
2025-07-28T15:15	23.5	0.06880
2025-07-28T16:15	23.2	0.08200
2025-07-28T17:15	22.7	0.09742
2025-07-28T18:15	21.9	0.11561
2025-07-28T19:00	21.2	0.11653
2025-07-28T20:15	20.2	0.10612
2025-07-28T21:00	19.4	0.08839
2025-07-28T22:00	18.5	0.08319
2025-07-28T23:00	17.9	0.07795
2025-07-29T01:00	16.4	0.07536
2025-07-29T03:45	14.6	0.08517
2025-07-29T04:30	14.8	0.09688
2025-07-29T05:15	15.0	0.10582
2025-07-29T06:15	16.0	0.09902
2025-07-29T07:15	17.5	0.07413
2025-07-29T08:15	18.8	0.05867
2025-07-29T09:15	19.8	0.04898
2025-07-29T10:15	20.2	0.02577
2025-07-29T11:00	20.6	0.00460
2025-07-29T12:15	21.3	0.00203
2025-07-29T13:30	20.9	0.00709
2025-07-29T14:15	20.9	0.04137
2025-07-29T15:15	20.6	0.07483
2025-07-29T16:15	20.6	0.08885
2025-07-29T17:15	20.3	0.10804

2025-07-29T18:15	20.0	0.12921
2025-07-29T19:15	19.0	0.12743
2025-07-29T20:15	18.2	0.11234
2025-07-29T21:00	17.6	0.10300
2025-07-29T22:00	16.8	0.08999
2025-07-29T23:00	15.9	0.08601
2025-07-30T01:00	15.4	0.07199
2025-07-30T03:30	14.8	0.08055
2025-07-30T04:30	14.5	0.09350
2025-07-30T05:15	14.8	0.09293
2025-07-30T06:15	15.7	0.09545
2025-07-30T07:15	17.0	0.08010
2025-07-30T08:15	18.3	0.06220
2025-07-30T09:15	19.6	0.04035
2025-07-30T10:15	20.6	0.02479
2025-07-30T11:00	21.2	0.01769
2025-07-30T12:15	22.4	0.01070
2025-07-30T13:30	22.8	0.02697
2025-07-30T14:15	22.8	0.03893
2025-07-30T15:15	23.2	0.06403
2025-07-30T16:15	23.0	0.08003
2025-07-30T17:00	22.6	0.10271
2025-07-30T18:15	21.1	0.11297
2025-07-30T19:15	18.3	0.11045
2025-07-30T20:00	19.1	0.10420
2025-07-30T21:00	18.2	0.09302
2025-07-30T22:00	17.5	0.08960
2025-07-30T23:00	17.2	0.08319
2025-07-31T01:00	16.7	0.07810
2025-07-31T03:15	15.2	0.08146
2025-07-31T04:30	15.1	0.09946
2025-07-31T05:15	15.4	0.10051
2025-07-31T06:15	15.8	0.09411
2025-07-31T07:15	15.9	0.09089
2025-07-31T08:15	16.8	0.06894
2025-07-31T09:15	17.5	0.06384
2025-07-31T10:15	16.9	0.05680
2025-07-31T11:00	16.8	0.04130
2025-07-31T12:15	17.5	0.03239
2025-07-31T13:30	18.5	0.04789
2025-07-31T14:15	18.6	0.06675
2025-07-31T15:15	18.8	0.08234
2025-07-31T16:15	18.2	0.09493
2025-07-31T17:15	18.4	0.11400
2025-07-31T18:15	18.1	0.13010
2025-07-31T19:15	17.5	0.12571
2025-07-31T20:15	17.1	0.11439
2025-07-31T21:00	17.0	0.10300
2025-07-31T22:00	16.6	0.10485