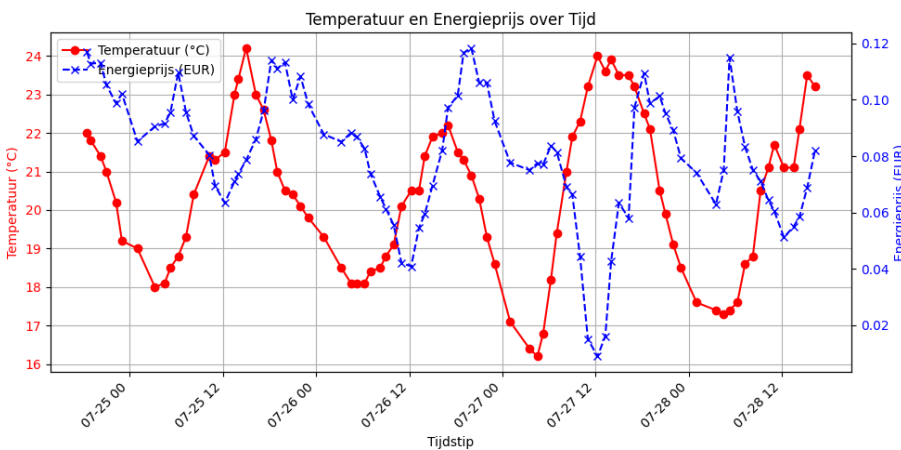# Analysis report

Generated on: 2025-07-28 16:19:01

Overview

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

Graph

Temperature vs Energy Price

Summary statistics

- **Temperature**: Mean = 20.4058, Std Dev = 2.01491
- **Energy Price**: Mean = 0.0809514, Std Dev = 0.0233729
- **Correlation (Pearson)**: -0.238216

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 |

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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 |
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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