

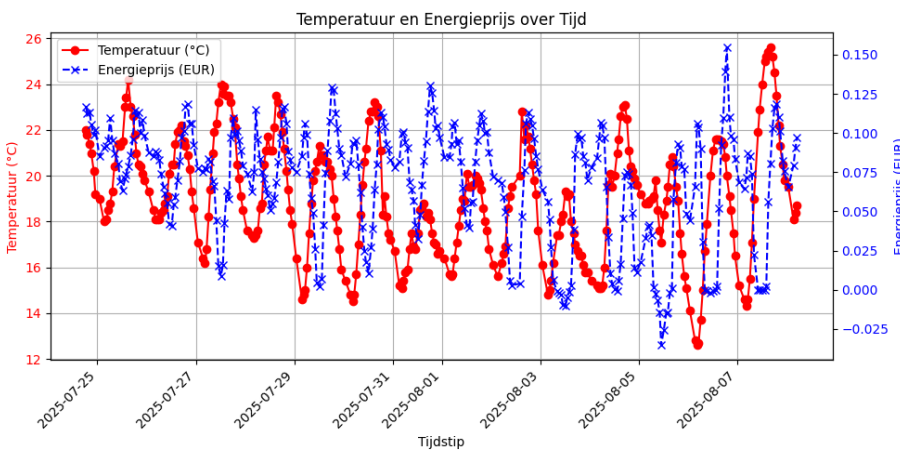
# Analysis report

Generated on: 2025-08-08 05:32:39

## Overview

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

## Graph



Temperature vs Energy Price

## Summary statistics

- **Temperature:** Mean = 19.0958, Std Dev = 2.60284
- **Energy Price:** Mean = 0.0687658, Std Dev = 0.0373185
- **Correlation (Pearson):** -0.135763

## 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 |
| 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 |

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| 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 |
| 2025-07-31T23:00 | 16.7 | 0.09706 |
| 2025-08-01T01:15 | 16.4 | 0.08466 |
| 2025-08-01T03:45 | 15.7 | 0.08486 |

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| 2025-08-01T04:45 | 15.6 | 0.09296  |
| 2025-08-01T05:15 | 15.7 | 0.10442  |
| 2025-08-01T06:15 | 16.4 | 0.10664  |
| 2025-08-01T07:15 | 17.1 | 0.09280  |
| 2025-08-01T08:15 | 17.8 | 0.09540  |
| 2025-08-01T09:15 | 18.5 | 0.08153  |
| 2025-08-01T10:15 | 19.0 | 0.06484  |
| 2025-08-01T11:00 | 18.9 | 0.05179  |
| 2025-08-01T12:15 | 20.1 | 0.04129  |
| 2025-08-01T13:30 | 19.5 | 0.03959  |
| 2025-08-01T14:15 | 19.5 | 0.05584  |
| 2025-08-01T15:00 | 19.6 | 0.05613  |
| 2025-08-01T16:15 | 20.0 | 0.08150  |
| 2025-08-01T17:15 | 19.9 | 0.09531  |
| 2025-08-01T18:15 | 19.7 | 0.10472  |
| 2025-08-01T19:00 | 19.4 | 0.11235  |
| 2025-08-01T20:15 | 18.6 | 0.10758  |
| 2025-08-01T21:00 | 18.0 | 0.10011  |
| 2025-08-01T22:00 | 17.6 | 0.10077  |
| 2025-08-01T23:00 | 16.8 | 0.08746  |
| 2025-08-02T01:00 | 16.1 | 0.07228  |
| 2025-08-02T03:15 | 15.6 | 0.06981  |
| 2025-08-02T05:15 | 16.2 | 0.06806  |
| 2025-08-02T06:15 | 16.6 | 0.05900  |
| 2025-08-02T07:00 | 16.9 | 0.04982  |
| 2025-08-02T08:15 | 18.6 | 0.02722  |
| 2025-08-02T09:15 | 19.1 | 0.00568  |
| 2025-08-02T10:00 | 19.5 | 0.00295  |
| 2025-08-02T14:00 | 20.0 | 0.00389  |
| 2025-08-02T15:00 | 22.8 | 0.04695  |
| 2025-08-02T16:15 | 21.6 | 0.07641  |
| 2025-08-02T17:00 | 22.2 | 0.10597  |
| 2025-08-02T18:15 | 21.7 | 0.11335  |
| 2025-08-02T19:00 | 21.2 | 0.10927  |
| 2025-08-02T20:00 | 20.5 | 0.10483  |
| 2025-08-02T21:00 | 19.8 | 0.09642  |
| 2025-08-02T22:00 | 19.2 | 0.08551  |
| 2025-08-02T23:00 | 17.6 | 0.07707  |
| 2025-08-03T01:00 | 16.1 | 0.06408  |
| 2025-08-03T03:45 | 14.8 | 0.05649  |
| 2025-08-03T04:30 | 15.0 | 0.04510  |
| 2025-08-03T05:15 | 15.4 | 0.02720  |
| 2025-08-03T06:15 | 16.2 | 0.00616  |
| 2025-08-03T08:15 | 17.4 | -0.00101 |
| 2025-08-03T09:00 | 17.4 | -0.00210 |
| 2025-08-03T10:15 | 18.0 | -0.00300 |
| 2025-08-03T11:00 | 18.3 | -0.00990 |
| 2025-08-03T12:15 | 19.3 | -0.01008 |
| 2025-08-03T13:15 | 19.1 | -0.00498 |
| 2025-08-03T14:00 | 19.2 | -0.00150 |
| 2025-08-03T15:00 | 18.0 | 0.00271  |
| 2025-08-03T16:15 | 17.5 | 0.03846  |

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| 2025-08-03T17:00 | 17.0 | 0.08634  |
| 2025-08-03T18:15 | 16.7 | 0.09952  |
| 2025-08-03T19:00 | 16.5 | 0.09605  |
| 2025-08-03T20:00 | 16.5 | 0.09735  |
| 2025-08-03T21:00 | 16.1 | 0.08509  |
| 2025-08-03T22:00 | 15.8 | 0.08102  |
| 2025-08-03T23:00 | 15.8 | 0.07007  |
| 2025-08-04T01:00 | 15.4 | 0.07827  |
| 2025-08-04T03:45 | 15.2 | 0.08418  |
| 2025-08-04T04:45 | 15.1 | 0.09655  |
| 2025-08-04T05:30 | 15.1 | 0.10651  |
| 2025-08-04T06:15 | 15.2 | 0.10506  |
| 2025-08-04T07:15 | 16.0 | 0.09705  |
| 2025-08-04T08:15 | 17.6 | 0.06600  |
| 2025-08-04T09:15 | 19.6 | 0.03346  |
| 2025-08-04T10:15 | 20.1 | 0.01049  |
| 2025-08-04T11:00 | 19.5 | 0.00405  |
| 2025-08-04T12:15 | 20.0 | 0.00065  |
| 2025-08-04T13:30 | 21.0 | -0.00065 |
| 2025-08-04T14:15 | 21.6 | 0.00557  |
| 2025-08-04T15:15 | 22.6 | 0.01669  |
| 2025-08-04T16:15 | 23.0 | 0.04539  |
| 2025-08-04T17:15 | 23.1 | 0.07312  |
| 2025-08-04T18:15 | 22.5 | 0.07505  |
| 2025-08-04T19:15 | 21.1 | 0.07377  |
| 2025-08-04T20:15 | 20.4 | 0.06705  |
| 2025-08-04T21:00 | 20.2 | 0.04891  |
| 2025-08-04T22:00 | 19.9 | 0.01414  |
| 2025-08-04T23:00 | 19.6 | 0.01140  |
| 2025-08-05T01:00 | 19.2 | 0.01780  |
| 2025-08-05T03:30 | 18.8 | 0.03319  |
| 2025-08-05T04:30 | 18.8 | 0.04027  |
| 2025-08-05T05:15 | 18.9 | 0.04145  |
| 2025-08-05T06:15 | 19.0 | 0.03474  |
| 2025-08-05T07:15 | 19.1 | 0.00167  |
| 2025-08-05T08:15 | 19.8 | -0.00255 |
| 2025-08-05T09:15 | 18.5 | -0.00658 |
| 2025-08-05T10:15 | 17.6 | -0.01420 |
| 2025-08-05T11:00 | 17.1 | -0.03530 |
| 2025-08-05T12:15 | 18.3 | -0.02576 |
| 2025-08-05T13:30 | 18.9 | -0.01470 |
| 2025-08-05T14:15 | 19.5 | -0.01415 |
| 2025-08-05T15:15 | 20.5 | -0.00171 |
| 2025-08-05T16:15 | 20.8 | 0.00131  |
| 2025-08-05T17:00 | 20.4 | 0.05826  |
| 2025-08-05T18:15 | 19.5 | 0.08111  |
| 2025-08-05T19:15 | 18.9 | 0.09321  |
| 2025-08-05T20:15 | 17.5 | 0.09036  |
| 2025-08-05T21:00 | 16.6 | 0.07852  |
| 2025-08-05T22:15 | 15.6 | 0.07675  |
| 2025-08-05T23:15 | 15.1 | 0.04874  |
| 2025-08-06T01:00 | 14.1 | 0.04418  |

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|------------------|------|----------|
| 2025-08-06T03:30 | 12.8 | 0.06588  |
| 2025-08-06T04:30 | 12.6 | 0.10576  |
| 2025-08-06T05:15 | 12.7 | 0.10391  |
| 2025-08-06T06:15 | 13.7 | 0.09000  |
| 2025-08-06T07:15 | 15.0 | 0.03057  |
| 2025-08-06T08:15 | 16.7 | -0.00001 |
| 2025-08-06T09:15 | 17.9 | -0.00100 |
| 2025-08-06T11:00 | 20.0 | -0.00220 |
| 2025-08-06T12:15 | 21.1 | -0.00102 |
| 2025-08-06T13:30 | 21.6 | 0.00015  |
| 2025-08-06T14:15 | 21.6 | 0.00194  |
| 2025-08-06T15:15 | 21.6 | 0.05205  |
| 2025-08-06T16:15 | 21.5 | 0.09267  |
| 2025-08-06T17:15 | 21.4 | 0.10951  |
| 2025-08-06T18:15 | 20.8 | 0.13901  |
| 2025-08-06T19:00 | 20.0 | 0.15451  |
| 2025-08-06T20:15 | 19.1 | 0.11000  |
| 2025-08-06T21:00 | 18.5 | 0.09858  |
| 2025-08-06T22:15 | 17.5 | 0.09591  |
| 2025-08-06T23:00 | 16.5 | 0.08375  |
| 2025-08-07T01:00 | 15.2 | 0.06857  |
| 2025-08-07T03:30 | 14.6 | 0.06426  |
| 2025-08-07T04:30 | 14.3 | 0.07149  |
| 2025-08-07T05:15 | 14.6 | 0.08704  |
| 2025-08-07T06:15 | 15.5 | 0.08544  |
| 2025-08-07T07:15 | 17.1 | 0.07390  |
| 2025-08-07T08:15 | 19.0 | 0.02223  |
| 2025-08-07T10:15 | 21.9 | -0.00003 |
| 2025-08-07T11:00 | 22.9 | -0.00018 |
| 2025-08-07T12:15 | 24.0 | -0.00019 |
| 2025-08-07T13:30 | 25.0 | -0.00001 |
| 2025-08-07T14:15 | 25.2 | 0.00200  |
| 2025-08-07T15:15 | 25.4 | 0.05649  |
| 2025-08-07T16:15 | 25.6 | 0.08057  |
| 2025-08-07T17:15 | 25.2 | 0.10310  |
| 2025-08-07T18:15 | 24.5 | 0.11605  |
| 2025-08-07T19:15 | 23.5 | 0.11830  |
| 2025-08-07T20:15 | 22.2 | 0.11000  |
| 2025-08-07T21:00 | 21.3 | 0.10128  |
| 2025-08-07T22:15 | 20.5 | 0.08251  |
| 2025-08-07T23:00 | 19.8 | 0.07560  |
| 2025-08-08T01:00 | 19.5 | 0.06544  |
| 2025-08-08T03:30 | 18.1 | 0.07944  |
| 2025-08-08T04:30 | 18.4 | 0.09075  |
| 2025-08-08T05:15 | 18.7 | 0.09715  |