| Feature               | Explanation                                                                 |
|----------------------|-----------------------------------------------------------------------------|
| Day of the week      | The day of the week, i.e. Monday, Tuesday, etc.                             |
| Weekend              | Monday to Friday vs. Saturday and Sunday                                    |
| Public holiday       | Days that are public holidays in the state of Hesse, Germany                |
| School holiday       | Days that are school holidays in the state of Hesse, Germany                |
| Quarter              | The quarter of the year, i.e. first, second, etc. (as factor)               |
| Month                | The month of the year, i.e. January, February, etc. (as factor)             |
| Bridge day           | A day between a public or school holiday and a weekend                       |
| 23rd - 31 Dec.       | The days between 23rd and 31st of December                                  |
| Lag (14/35)          | The number of admissions 14/35 days before the predicted day, because the number of admissions was not known yet on day 7/28 before |
| Fourier Series       | The terms from a Fourier Series with weekly and yearly seasonal periods     |

**Climate and weather features (at the day of prediction)**

| Feature               | Explanation                                                                 |
|----------------------|-----------------------------------------------------------------------------|
| Wind speed maximum   | Maximum wind speed in meters per second                                     |
| Wind speed mean      | Mean wind speed in meters per second                                        |
| Cloudiness           | Mean cloudiness from 0 to 8                                                 |
| Air pressure         | Mean air pressure in hectopascal                                             |
| Precipitation depth  | Depth of precipitation in millimeter                                        |
| Precipitation type   | Type of precipitation                                                       |
| Sun shine            | Duration of sunshine in hours                                                |
| Snow height          | Height of snow in millimeter                                                |
| Air temperature minimal surface | Minimal air temperature on the surface in Celsius                      |
| Air temperature mean surface | Mean air temperature on the surface in Celsius                        |
| Air temperature minimal 2m | Minimal air temperature in 2 meters height in Celsius             |
| Air temperature mean 2m  | Mean air temperature 2 meters height in Celsius                         |
| Humidity             | Mean relative humidity in percent                                           |
| Feature          | Explanation                                                                 |
|------------------|-----------------------------------------------------------------------------|
| Google Trend "Depression" | Relative number of search queries in Hesse, Germany, for the German word: Depressionen |
| Google Trend "Sadness"   | Relative number of search queries in Hesse, Germany, for the German word: Traurigkeit |
| Google Trend "Sad"       | Relative number of search queries in Hesse, Germany, for the German word: Traurig    |
| Google Trend "Suicide"   | Relative number of search queries in Hesse, Germany, for the German word: Selbstmord |
| Google Trend "Mania"     | Relative number of search queries in Hesse, Germany, for the German word: Manie     |
| Google Trend "Fear"      | Relative number of search queries in Hesse, Germany, for the German word: Angst    |
| Google Trend "Panic"     | Relative number of search queries in Hesse, Germany, for the German word: Panik    |
| Google Trend "Dread"     | Relative number of search queries in Hesse, Germany, for the German word: Furcht    |
| Google Trend "Addiction" | Relative number of search queries in Hesse, Germany, for the German word: Sucht    |
| Google Trend "Dependence"| Relative number of search queries in Hesse, Germany, for the German word: Abhängigkeit |
| Google Trend "Alcohol"   | Relative number of search queries in Hesse, Germany, for the German word: Alkohol |
| Google Trend "Drugs"     | Relative number of search queries in Hesse, Germany, for the German word: Drogen |
| Google Trend "Schizophrenia" | Relative number of search queries in Hesse, Germany, for the German word: Schizophrenie |
| Google Trend "Psychosis" | Relative number of search queries in Hesse, Germany, for the German word: Psychose |
| Google Trend "Hallucinations" | Relative number of search queries in Hesse, Germany, for the German word: Halluzinationen |