**INFORME DE RESULTADOS**

El periodo de predicción va a ser de 2021-01-01 a 2021-12-31. Todas las métricas globales van a ser evaluadas en este proceso.

**VARIABLES**

Var 1 🡪 df1 con lag 24 y sin demanda, eólica\_fotov y festivos

Var 2 🡪 Todas + lag24, 48 y 1 semana

Var 3 🡪 Todas + lag24, 48 y 1 semana, menos Brent, Demanda, Eolica, Festivo Regional, Humedad\_Relativa, Radiacion y Precipitacion

Var 4 🡪 Todas + lag24, menos Brent, Demanda, Eolica, Festivo Regional, Humedad\_Relativa, Radiacion y Precipitacion

**BASELINE**

Lo primero es la realización de un modelo baseline a partir del cual mejorar los subsecuentes posibles modelos.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| MODELO | MAE | MAE (median) | MAPE | WMAPE | RMSE | % TREND |
| BASELINE | **16.07** | **8.92** | **85.53** | **14.36** | **27.38** | **74.84** |

**REGRESIÓN LINEAL**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| VARIABLES | Rolling window | MAE | MAE (median) | MAPE | WMAPE | RMSE | % TREND |
| Var 1 | No | 12.98 | 9.68 | 114.56 | 11.6 | 20.17 | 83.13 |
| Var 1 | 60 | 10.64 | 7.12 | 117.04 | 9.51 | 16.61 | 83.98 |
| Var 2 | 90 | 10.42 | 7.16 | 95.81 | 9.31 | 16.39 | 83.10 |
| Var 2 | 150 | 10.41 | 6.92 | 114.42 | 9.30 | 16.57 | 83.09 |
| Var 2 | **220** | **10.30** | **6.94** | **112.17** | **9.21** | **16.62** | **82.92** |
| Var 3 | No | 12.02 | 8.06 | 125.88 | 10.74 | 19.99 | 82.76 |
| Var 3 | 90 | 10.52 | 7.37 | 116.75 | 9.4 | 16.45 | 83.26 |
| Var 4 | 90 | 10.67 | 7.39 | 118.88 | 9.53 | 16.53 | 83.25 |
| Var 5 | 150 | 10.49 | 6.96 | 135.09 | 9.37 | 16.72 | 84.24 |
|  |  |  |  |  |  |  |  |
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