|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File** | **Train\_set** | **Test\_Set** | **Prediction** | **Model** | **MSE** | **Digits** |
| Prediction 2020-2023 (1) | 01/2017 – 03/2019 | 04/2019 – 12/2019 | 01/2020 – 11/2022 | ARIMA | 785216404765.6401 | 12 |
|  |  |  |  | Exponential Smoothing | 4705388731932.026 | 13 |
| SARIMAX | 1240831543420.1519 | 13 |
| Linnear Regression + Avg Seas | 43956094240.16943 | 11\* |
| Prediction 2022-2023 (2) | 01/2020 - 03/2022 | 04/2022 - 11/2022 | 11/2022 - 12/2023 | ARIMA | 2841133676193.366 | 13 |
|  |  |  |  | Exponential Smoothing | 11188473033534.31 | 14 |
| SARIMAX | 2314895482770.4106 | 13\* |
| Linnear Regression + Avg Seas | 4108008446867.7524 | 13 |
| Prediction 2022-2023 (3) | 01/2017 -06/2021 | 07/2021 – 11/2022 | 11/2022 - 12/2023 | ARIMA | 1894891792475.9614 | 13\* |
|  |  |  |  | Exponential Smoothing | 7432861893353.398 | 13 |
| SARIMAX | 1894891792475.9614 | 13\* |
| Linnear Regression + Avg Seas | Didn’t use, since the trend is not constant | - |