|  |  |  |  |
| --- | --- | --- | --- |
| **Model Description** | | | |
|  | | | Model Type |
| Model ID | Weekly incidents of verbal abuse towards staff | Model\_1 | ARIMA(0,1,1) |

**Model Summary**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model Fit** | | | | | | | | | | | | |
| Fit Statistic | Mean | SE | Minimum | Maximum | Percentile | | | | | | | |
| 5 | 10 | 25 | 50 | 75 | 90 | 95 |
| Stationary R-squared | .143 | . | .143 | .143 | .143 | .143 | .143 | .143 | .143 | .143 | .143 |
| R-squared | -.219 | . | -.219 | -.219 | -.219 | -.219 | -.219 | -.219 | -.219 | -.219 | -.219 |
| RMSE | 2.285 | . | 2.285 | 2.285 | 2.285 | 2.285 | 2.285 | 2.285 | 2.285 | 2.285 | 2.285 |
| MAPE | 58.368 | . | 58.368 | 58.368 | 58.368 | 58.368 | 58.368 | 58.368 | 58.368 | 58.368 | 58.368 |
| MaxAPE | 500.000 | . | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 |
| MAE | 1.566 | . | 1.566 | 1.566 | 1.566 | 1.566 | 1.566 | 1.566 | 1.566 | 1.566 | 1.566 |
| MaxAE | 10.000 | . | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| Normalized BIC | 1.727 | . | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model Statistics** | | | | | | |
| Model | Number of Predictors | Model Fit statistics | Ljung-Box Q(18) | | | Number of Outliers |
| Stationary R-squared | Statistics | DF | Sig. |
| Weekly incidents of verbal abuse towards staff-Model\_1 | 0 | .143 | 10.919 | 17 | .861 | 0 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ARIMA Model Parameters** | | | | | | | | |
|  | | | | | Estimate | SE | t | Sig. |
| Weekly incidents of verbal abuse towards staff-Model\_1 | Weekly incidents of verbal abuse towards staff | No Transformation | Difference | | 1 |  |  |  |
| MA | Lag 1 | .628 | .117 | 5.365 | <.001 |

Chart

Description automatically generated

Chart, line chart

Description automatically generated