

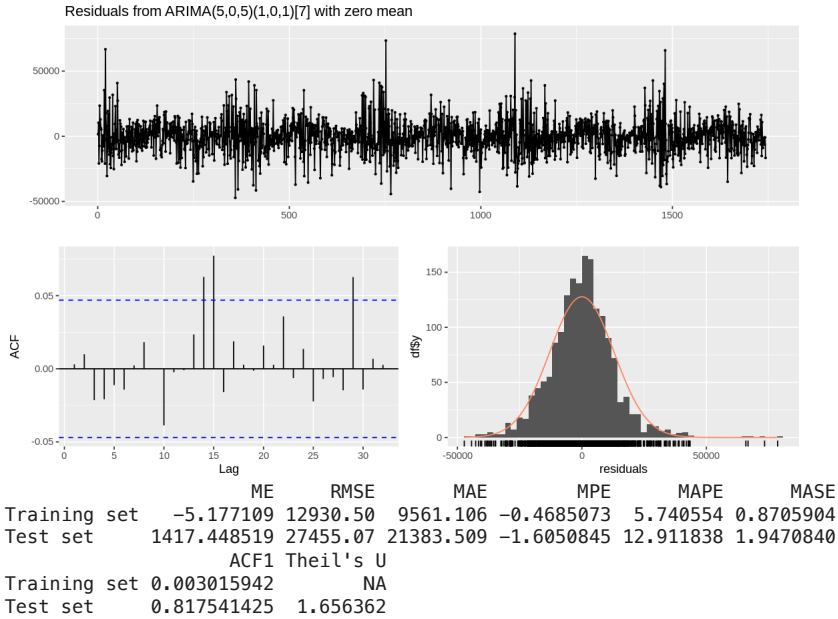
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Duke Energy Progress East
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AICc: 37983.91

Ljung-Box test

data: Residuals from ARIMA(5,0,5)(1,0,1)[7] with zero mean
 Q* = 23.995, df = 3, p-value = 2.504e-05

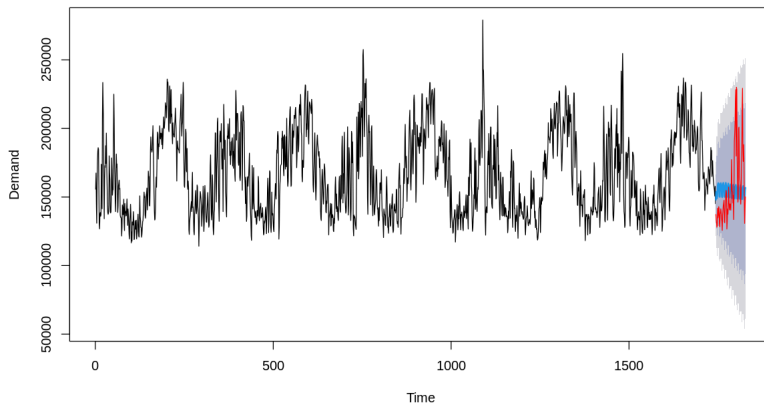
Model df: 12. Total lags used: 15



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Duke Energy Carolinas
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AICc: 39022.9

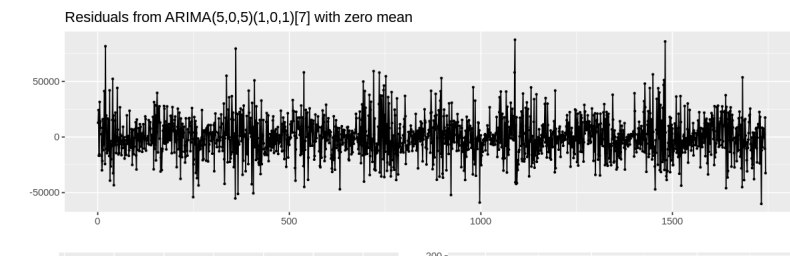
SARIMA Forecast - Duke Energy Progress East

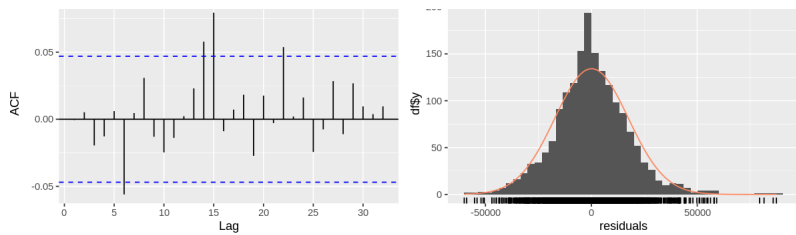


Ljung-Box test

data: Residuals from ARIMA(5,0,5)(1,0,1)[7] with zero mean
 Q* = 27.897, df = 3, p-value = 3.817e-06

Model df: 12. Total lags used: 15





	ME	RMSE	MAE	MPE	MAPE	MASE
Training set	120.1516	17357.07	12990.54	-0.2462708	4.466751	0.7982107
Test set	9440.2314	36872.42	26513.06	2.0302586	8.942869	1.6291083

ACF1 Theil's U

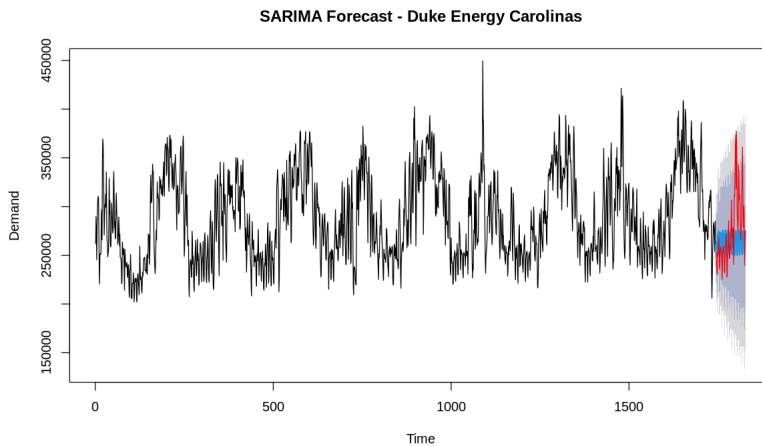
Training set	-0.0005611581	NA
Test set	0.8172089366	1.568993

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New York Independent System Operator

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AICc: 39944.83

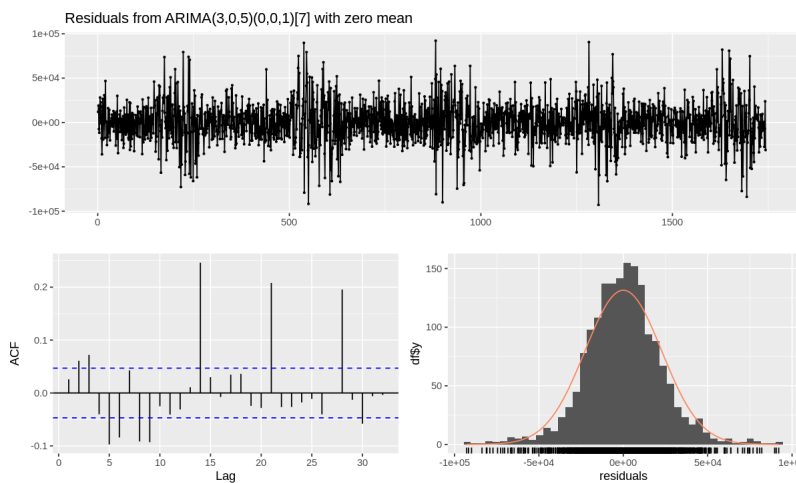


Ljung-Box test

data: Residuals from ARIMA(3,0,5)(0,0,1)[7] with zero mean

Q* = 87.162, df = 3, p-value < 2.2e-16

Model df: 9. Total lags used: 12



	ME	RMSE	MAE	MPE	MAPE	MASE
Training set	35.64738	22734.58	17052.03	-0.2140261	4.074694	0.8932028
Test set	34573.11544	50713.43	38998.65	8.0288427	9.343549	2.0427898

ACF1 Theil's U

Training set	0.02579414	NA
Test set	0.87188678	2.567435

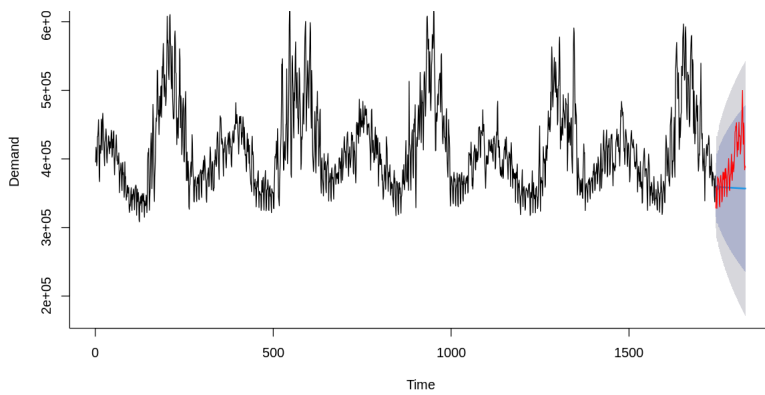
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PJM Interconnection, LLC

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AICc: 45295.63

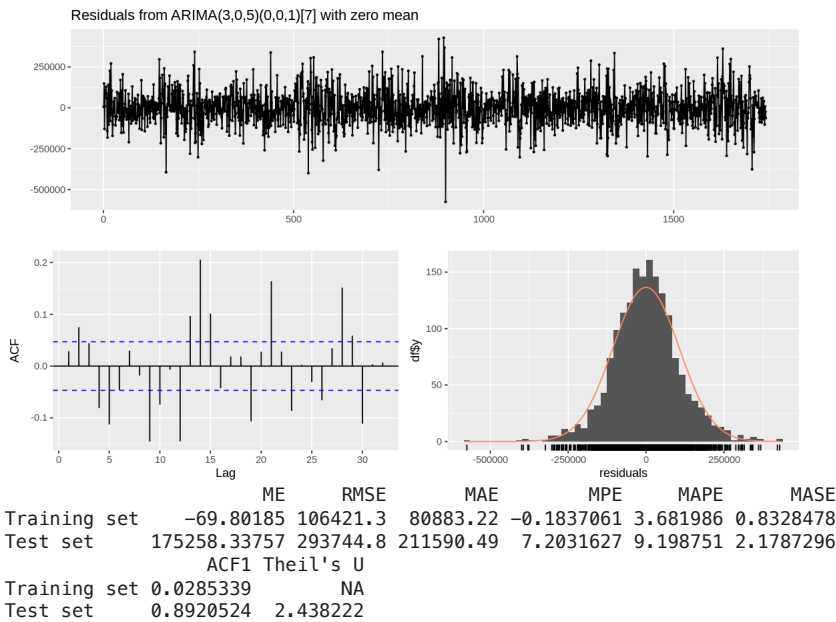
SARIMA Forecast - New York Independent System Operator



Ljung-Box test

data: Residuals from ARIMA(3,0,5)(0,0,1)[7] with zero mean
 $Q^* = 138.25$, $df = 3$, $p\text{-value} < 2.2e-16$

Model df: 9. Total lags used: 12



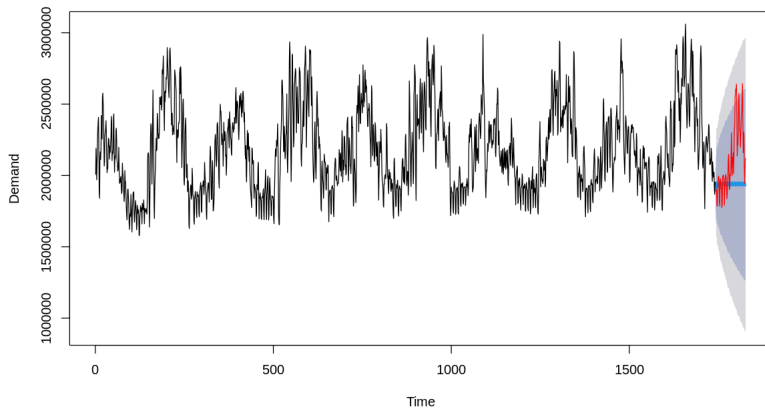
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Southern Company Services, Inc. – Trans

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AICc: 41291.19

SARIMA Forecast - PJM Interconnection, LLC

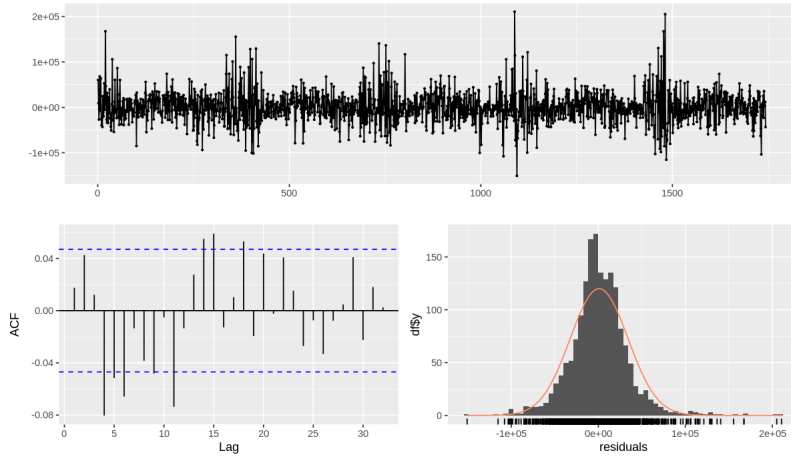


Ljung-Box test

data: Residuals from ARIMA(3,0,5)(1,0,1)[7] with zero mean
 $Q^* = 45.683$, $df = 3$, $p\text{-value} = 6.625e-10$

Model df: 10. Total lags used: 13

Residuals from ARIMA(3,0,5)(1,0,1)[7] with zero mean



	ME	RMSE	MAE	MPE	MAPE	MASE
Training set	907.0793	33248.97	23789.97	-0.08889728	3.693557	0.789313
Test set	-24860.4874	66978.03	59107.72	-5.13680382	9.836723	1.961099

	ACF1	Theil's U
Training set	0.01756217	NA
Test set	0.75534149	1.597815

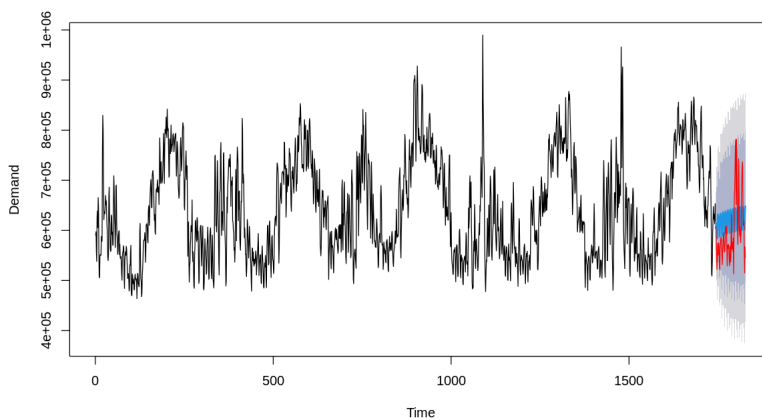
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Tennessee Valley Authority

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AICc: 40464.96

SARIMA Forecast - Southern Company Services, Inc. - Trans



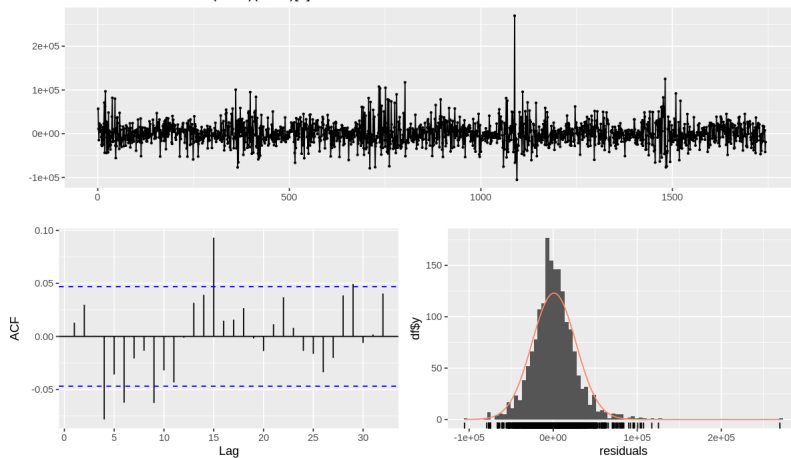
Ljung-Box test

data: Residuals from ARIMA(3,0,5)(1,0,1)[7] with zero mean

Q* = 36.513, df = 3, p-value = 5.834e-08

Model df: 10. Total lags used: 13

Residuals from ARIMA(3,0,5)(1,0,1)[7] with zero mean



	ME	RMSE	MAE	MPE	MAPE	MASE
Training set	965.1861	26197.04	18938.30	-0.07835568	4.238515	0.8345897
Test set	-10661.3746	53117.52	45027.79	-3.96530684	10.521831	1.9843248