Article Submissions Forecast

ARIMA model

Seasonal ARIMA (0,1,0) x (0,1,0,12)

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                                      SARIMAX Results
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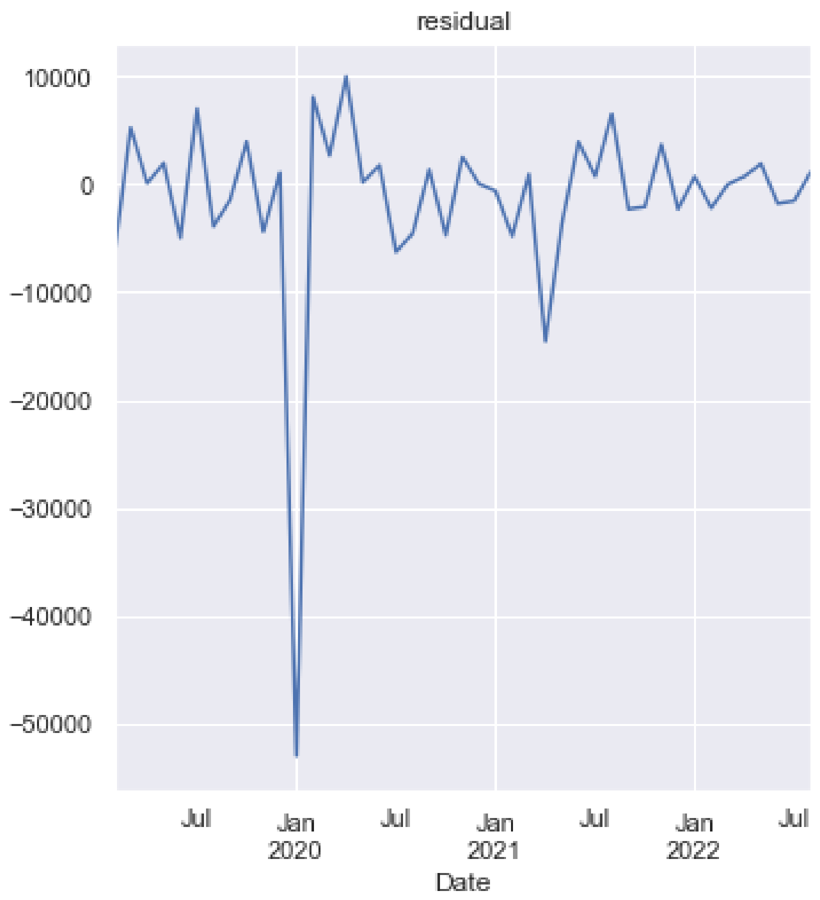
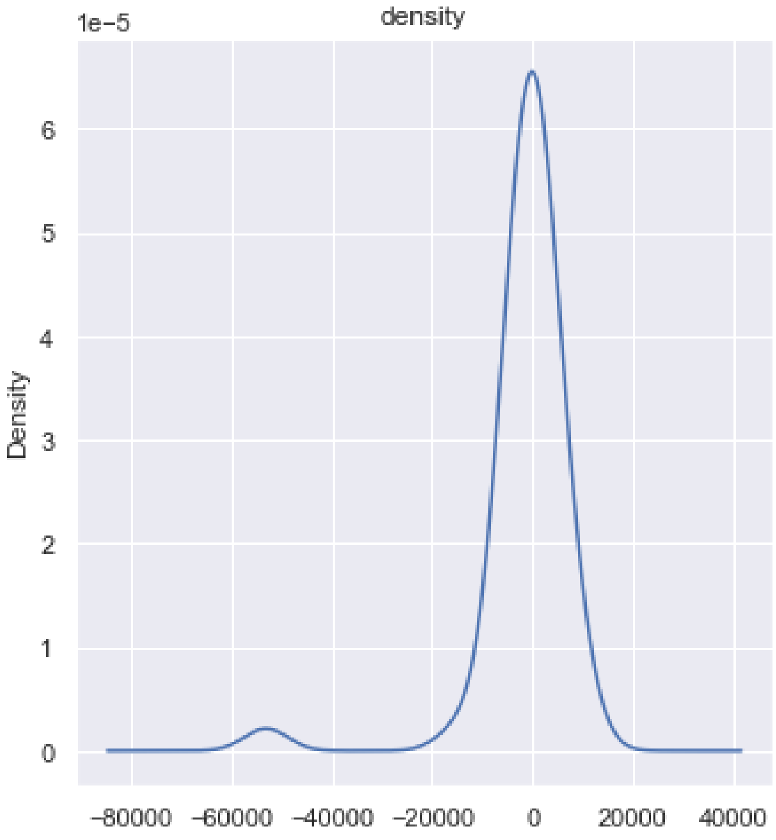
Dep. Variable:                           SUBMISSIONS   No. Observations:                44
Model:             SARIMAX(0, 1, 0)x(0, 1, 0, 12)   Log Likelihood              -304.624
Date:                           Tue, 14 Mar 2023   AIC                          611.247
Time:                                   16:33:41   BIC                          612.681
Sample:                               01-01-2019   HQIC                         611.715
                                    - 08-01-2022
Covariance Type:                             opg
==============================================================================
                 coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
sigma2      1.949e+07   3.31e+06      5.893      0.000     1.3e+07     2.6e+07
===================================================================================
Ljung-Box (L1) (Q):                   0.16   Jarque-Bera (JB):                 7.59
Prob(Q):                              0.69   Prob(JB):                         0.02
Heteroskedasticity (H):               0.13   Skew:                            -0.55
Prob(H) (two-sided):                  0.00   Kurtosis:                         5.16
===================================================================================
```

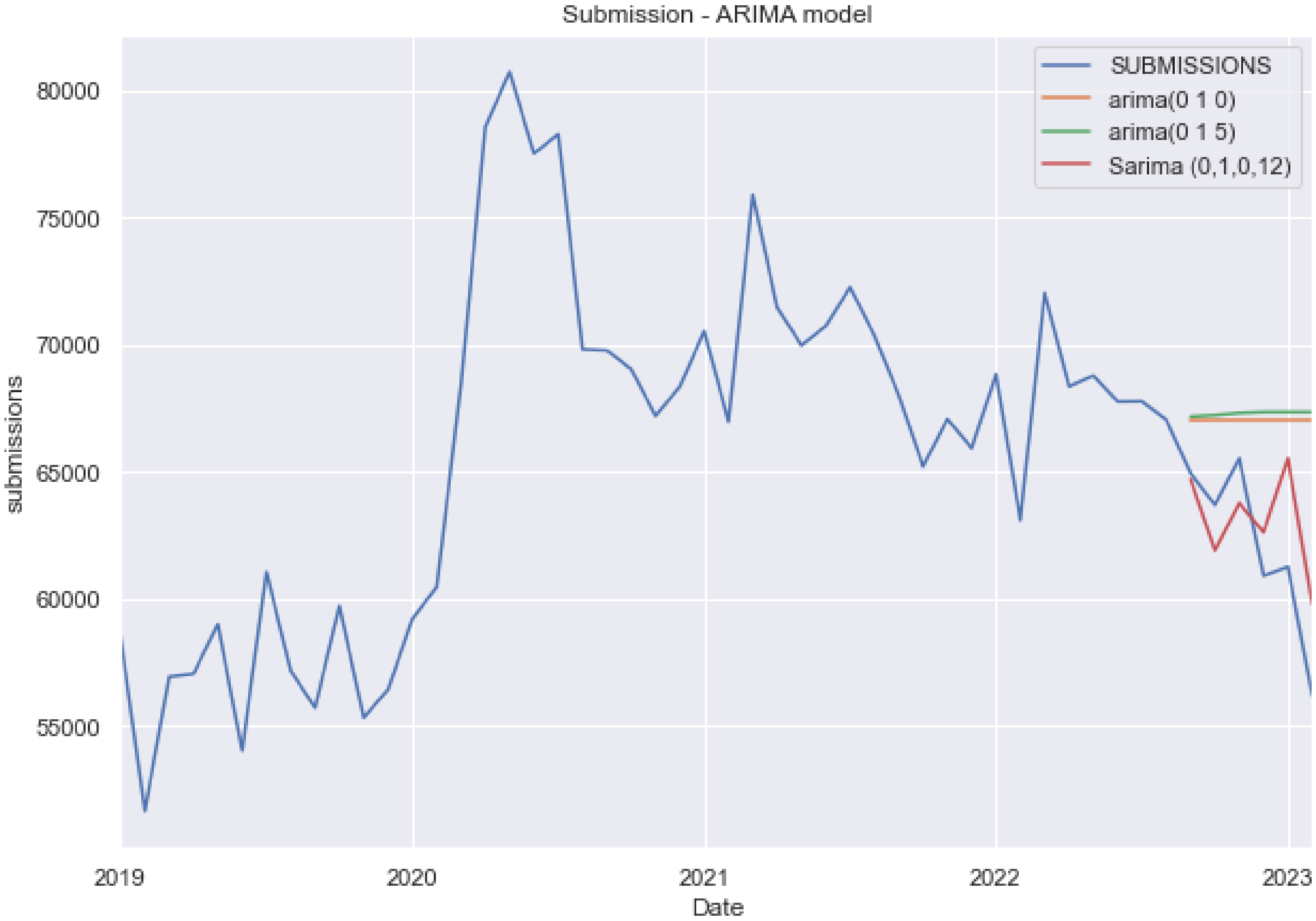
Residuals





- MAPE = 3.67%
- MES =6728292.67

Forecast results



- Forecast period –

2022 Sep -2023 Feb