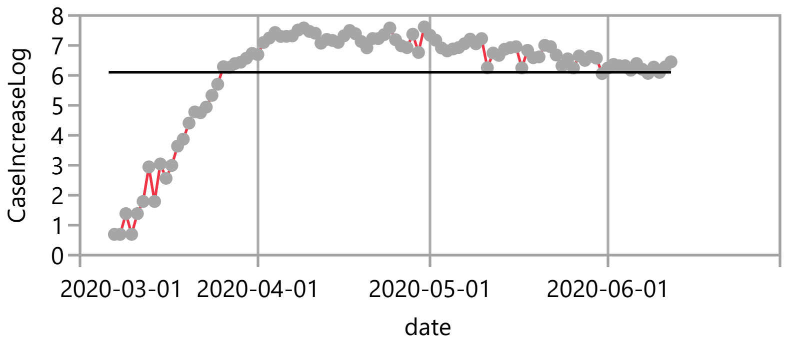
Time Series CaseIncreaseLog

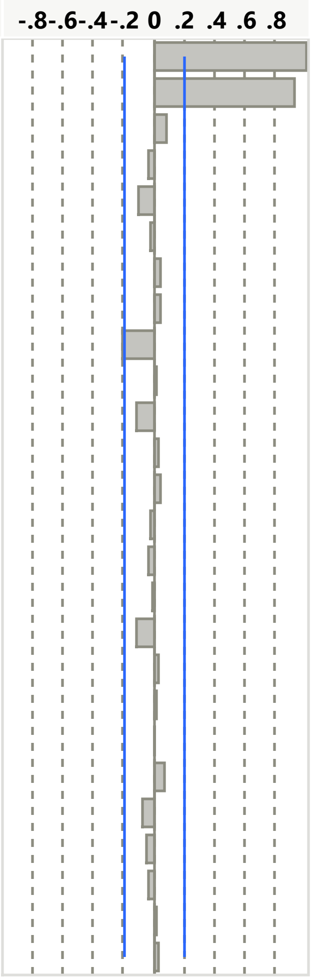


Mean	6.1045339
Std	1.7178333
N	98
Zero Mean ADF	0.5750817
Single Mean ADF	-3.567047
Trend ADF	-2.597504

Time Series Basic Diagnostics

Lag	AutoCorr	Ljung-Box Q	p-Value
0	1.0000	.	.
1	0.9252	86.4745	<.0001*
2	0.8684	163.462	<.0001*
3	0.8090	230.979	<.0001*
4	0.7404	288.135	<.0001*
5	0.6772	336.458	<.0001*
6	0.6237	377.896	<.0001*
7	0.5783	413.913	<.0001*
8	0.5063	441.822	<.0001*
9	0.4505	464.170	<.0001*
10	0.3808	480.323	<.0001*
11	0.3204	491.885	<.0001*
12	0.2724	500.339	<.0001*
13	0.2251	506.181	<.0001*
14	0.1823	510.056	<.0001*
15	0.1407	512.395	<.0001*
16	0.0930	513.429	<.0001*
17	0.0498	513.729	<.0001*
18	0.0166	513.762	<.0001*
19	-0.0120	513.780	<.0001*
20	-0.0267	513.869	<.0001*
21	-0.0459	514.137	<.0001*
22	-0.0661	514.701	<.0001*
23	-0.0911	515.786	<.0001*
24	-0.1087	517.351	<.0001*
25	-0.1233	519.393	<.0001*

Lag	Partial
0	1.0000
1	0.9252
2	0.0868
3	-0.0349
4	-0.0995
5	-0.0169
6	0.0397
7	0.0441
8	-0.2096
9	0.0177
10	-0.1172
11	0.0320
12	0.0488
13	-0.0234
14	-0.0332
15	-0.0051
16	-0.1060
17	0.0349
18	0.0177
19	0.0094
20	0.0678
21	-0.0729
22	-0.0468
23	-0.0358
24	0.0155
25	0.0266

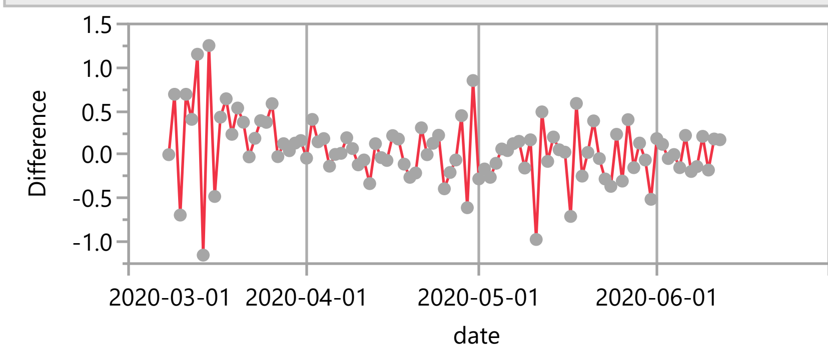


Time Series CaseIncreaseLog

Model Comparison

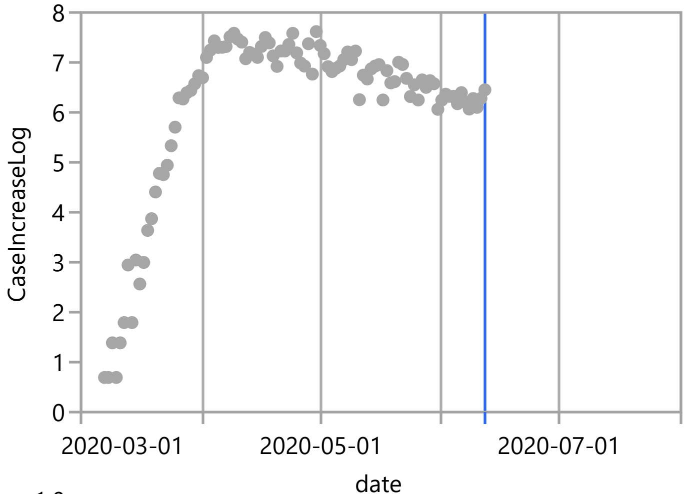
Report	Graph	Model	DF	Variance	AIC	SBC	RSquare	-2LogLH	Weights
☑	☐	ARI(1, 1)	95	0.1188867	70.861127	76.010549	0.956	66.861127	0.453321
☑	☐	ARI(3, 1)	93	0.1164455	70.872770	81.171614	0.958	62.87277	0.450690
☑	☐	ARI(5, 1)	91	0.117851	73.965844	89.414110	0.959	61.965844	0.095990

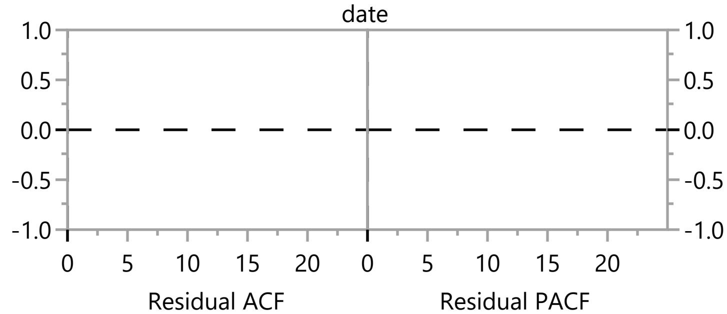
Difference: (1-B)^1



Mean	0.0593701
Std	0.3736233
N	97
Zero Mean ADF	-14.4173
Single Mean ADF	-14.93654
Trend ADF	-16.76399

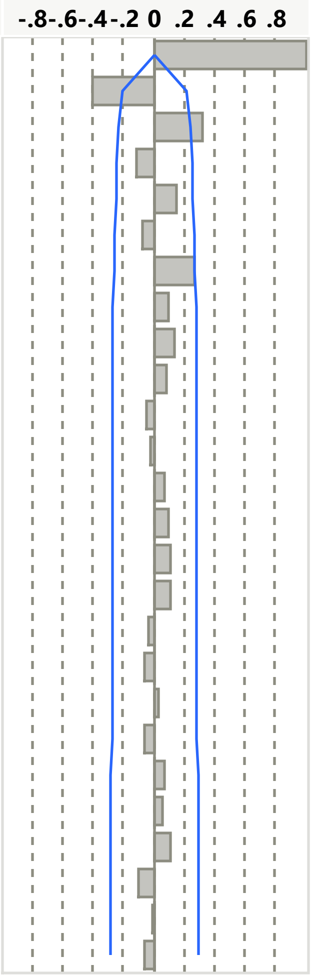
.2 .4 .6 .8	MAPE	MAE
	6.192204	0.245666
	6.124012	0.241757
	6.100211	0.243579





Time Series CaseIncreaseLog

Difference: (1-B)^1



Lag	AutoCorr	Ljung-Box Q	p-Value
0	1.0000	.	.
1	-0.4071	16.5773	<.0001*
2	0.3178	26.7876	<.0001*
3	-0.1112	28.0500	<.0001*
4	0.1470	30.2817	<.0001*
5	-0.0707	30.8038	<.0001*
6	0.2661	38.2787	<.0001*
7	0.0935	39.2110	<.0001*
8	0.1324	41.1014	<.0001*
9	0.0866	41.9195	<.0001*
10	-0.0428	42.1215	<.0001*
11	-0.0209	42.1701	<.0001*
12	0.0701	42.7247	<.0001*
13	0.0929	43.7116	<.0001*
14	0.1072	45.0409	<.0001*
15	0.1148	46.5846	<.0001*
16	-0.0367	46.7440	<.0001*
17	-0.0568	47.1312	0.0001*
18	0.0347	47.2779	0.0002*
19	-0.0630	47.7669	0.0003*
20	0.0715	48.4051	0.0004*
21	0.0587	48.8404	0.0005*
22	0.1098	50.3829	0.0005*
23	-0.1020	51.7325	0.0005*
24	-0.0020	51.7331	0.0008*
25	-0.0538	52.1186	0.0012*

Model: ARI(1, 1)

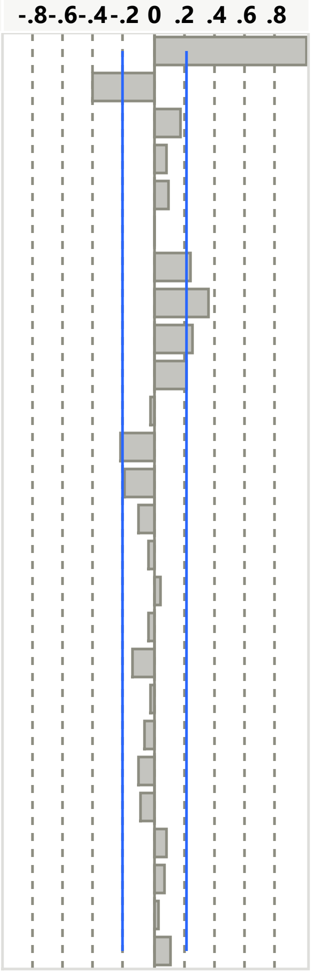
Model Summary

DF	95	Stable	Yes
Sum of Squared Errors	11.2942369	Invertible	Yes
Variance Estimate	0.1188867		
Standard Deviation	0.34479951		
Akaike's 'A' Information Criterion	70.8611273		
Schwarz's Bayesian Criterion	76.0105493		
RSquare	0.95649287		
RSquare Adj	0.9560349		
MAPE	6.19220365		
MAE	0.24566594		
-2LogLikelihood	66.8611273		

Parameter Estimates

Term	Lag	Estimate	Std Error	t Ratio	Prob>|t|	Constant Estimate	Mu
AR1	1	-0.4034265	0.0921269	-4.38	<.0001*	0.08310023	0.05921238
Intercept	0	0.0592124	0.0247591	2.39	0.0187*		

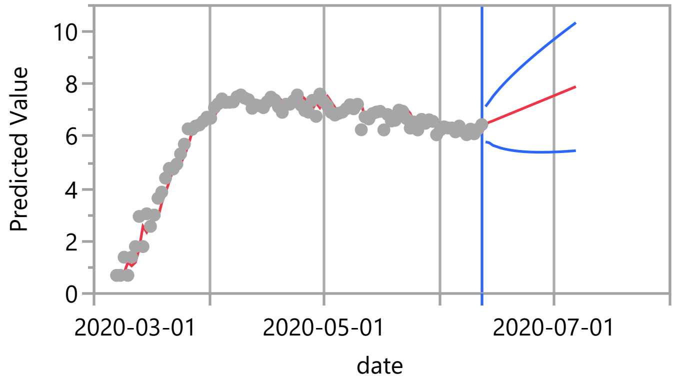
Lag	Partial
0	1.0000
1	-0.4071
2	0.1823
3	0.0854
4	0.0950
5	0.0049
6	0.2486
7	0.3553
8	0.2616
9	0.2167
10	-0.0196
11	-0.2113
12	-0.1843
13	-0.1011
14	-0.0266
15	0.0492
16	-0.0270
17	-0.1391
18	-0.0202
19	-0.0535
20	-0.0922
21	-0.0878
22	0.0895
23	0.0789
24	0.0369
25	0.1113



Time Series CaseIncreaseLog

Model: ARI(1, 1)

Forecast



Model: ARI(5, 1)

Model Summary

DF	91	Stable	Yes
Sum of Squared Errors	10.7244452	Invertible	Yes
Variance Estimate	0.11785105		
Standard Deviation	0.3432944		
Akaike's 'A' Information Criterion	73.965844		
Schwarz's Bayesian Criterion	89.4141099		
RSquare	0.95859744		
RSquare Adj	0.95632258		
MAPE	6.10021108		
MAE	0.24357875		
-2LogLikelihood	61.965844		

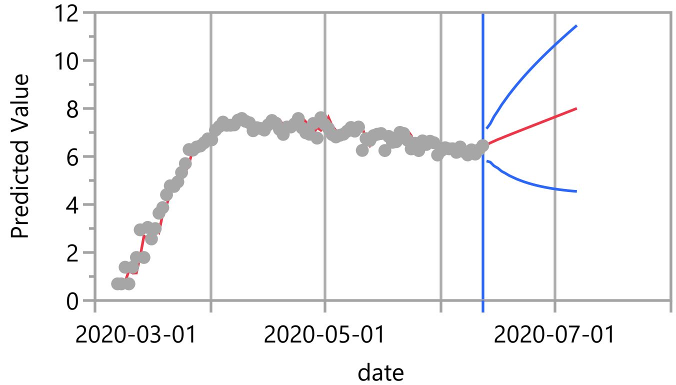
Parameter Estimates

Term	Lag	Estimate	Std Error	t Ratio	Prob>|t|	Constant Estimate	Mu
AR1	1	-0.3513983	0.1010664	-3.48	0.0008*	0.05781761	0.06132979
AR2	2	0.1889429	0.1066977	1.77	0.0799		
AR3	3	0.1092890	0.1090751	1.00	0.3190		
AR4	4	0.1008063	0.1067879	0.94	0.3477		
AR5	5	0.0096271	0.0917535	0.10	0.9167		
Intercept	0	0.0613298	0.0355274	1.73	0.0877		

Time Series CaseIncreaseLog

Model: ARI(5, 1)

Forecast



Model: ARI(3, 1)

Model Summary

DF	93	Stable	Yes
Sum of Squared Errors	10.8294358	Invertible	Yes
Variance Estimate	0.11644555		
Standard Deviation	0.34124119		
Akaike's 'A' Information Criterion	70.8727697		
Schwarz's Bayesian Criterion	81.1716137		
RSquare	0.95821794		
RSquare Adj	0.95687013		
MAPE	6.12401153		
MAE	0.24175669		
-2LogLikelihood	62.8727697		

Parameter Estimates

Term	Lag	Estimate	Std Error	t Ratio	Prob>|t|	Constant Estimate	Mu
AR1	1	-0.3434766	0.1009946	-3.40	0.0010*	0.06379767	0.06070783
AR2	2	0.2107887	0.1048515	2.01	0.0473*		
AR3	3	0.0817908	0.1029938	0.79	0.4291		
Intercept	0	0.0607078	0.0322013	1.89	0.0625		

Forecast