Emilia Romagna Grand Prix, 2021

Forecasting Fernando Alonso's Next 5 Lap Times Nathan Jones 2022

Name of Variable = time				
Period(s) of Differencing	1,1			
Mean of Working Series	-0.21123			
Standard Deviation	17.94698			
Number of Observations	61			
Observation(s) eliminated by differencing	2			

	Autocorrelation Check for White Noise								
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	29.99	6	<.0001	-0.477	-0.013	0.037	-0.226	0.359	-0.209
12	30.12	12	0.0027	0.017	0.013	0.006	-0.009	0.023	-0.025

Variance Estimate	322.1388
Std Error Estimate	17.94823
AIC	525.3844
SBC	525.3844
Number of Residuals	61

* AIC and SBC do not include log determinant.

	Autocorrelation Check of Residuals								
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	29.98	6	<.0001	-0.477	-0.013	0.037	-0.226	0.358	-0.209
12	30.11	12	0.0027	0.017	0.013	0.006	-0.009	0.023	-0.025
18	30.59	18	0.0321	0.031	-0.031	-0.008	0.046	-0.038	-0.013
24	31.88	24	0.1300	0.030	-0.012	0.048	-0.080	0.024	0.052

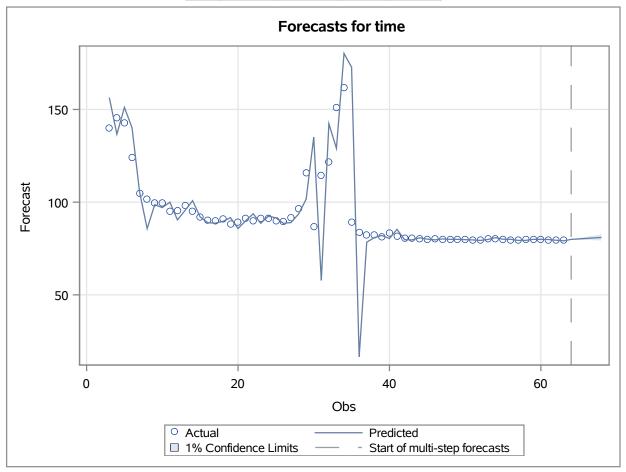
Model for variable time			
Period(s) of Differencing	1,1		

No mean term in this model.

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Forecasts for variable time							
Obs	Forecast	Std Error	1% Confidence Limits				
64	79.9240	17.9482	79.6990	80.1490			
65	80.1880	40.1335	79.6850	80.6910			
66	80.4520	67.1561	79.6103	81.2937			
67	80.7160	98.3065	79.4839	81.9481			
68	80.9800	133.1076	79.3117	82.6483			



Outlier Detection Summary				
Maximum number searched	2			
Number found	2			
Significance used	0.05			

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Outlier Details						
Obs Type Estimate Chi-Square Prob>ChiS						
35	Shift	-75.43000	2941.70	<.0001		
30	Additive	-30.39817	1433.26	<.0001		