

Emilia Romagna Grand Prix, 2021

Forecasting Lance Stroll's Next 5 Lap Times

Nathan Jones 2022

Name of Variable = time	
Period(s) of Differencing	1,1
Mean of Working Series	-0.48072
Standard Deviation	26.21565
Number of Observations	60
Observation(s) eliminated by differencing	2

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	28.88	6	<.0001	-0.590	0.188	-0.113	0.004	-0.070	0.226
12	30.85	12	0.0021	-0.165	0.019	0.011	-0.000	0.009	-0.013

Variance Estimate	687.4915
Std Error Estimate	26.22006
AIC	562.2556
SBC	562.2556
Number of Residuals	60

* AIC and SBC do not include log determinant.

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	28.86	6	<.0001	-0.590	0.188	-0.113	0.004	-0.070	0.225
12	30.84	12	0.0021	-0.165	0.019	0.011	-0.000	0.009	-0.013
18	30.86	18	0.0299	0.011	-0.009	-0.001	0.007	-0.004	-0.001
24	31.07	24	0.1518	0.005	0.003	-0.032	0.029	0.014	0.001

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

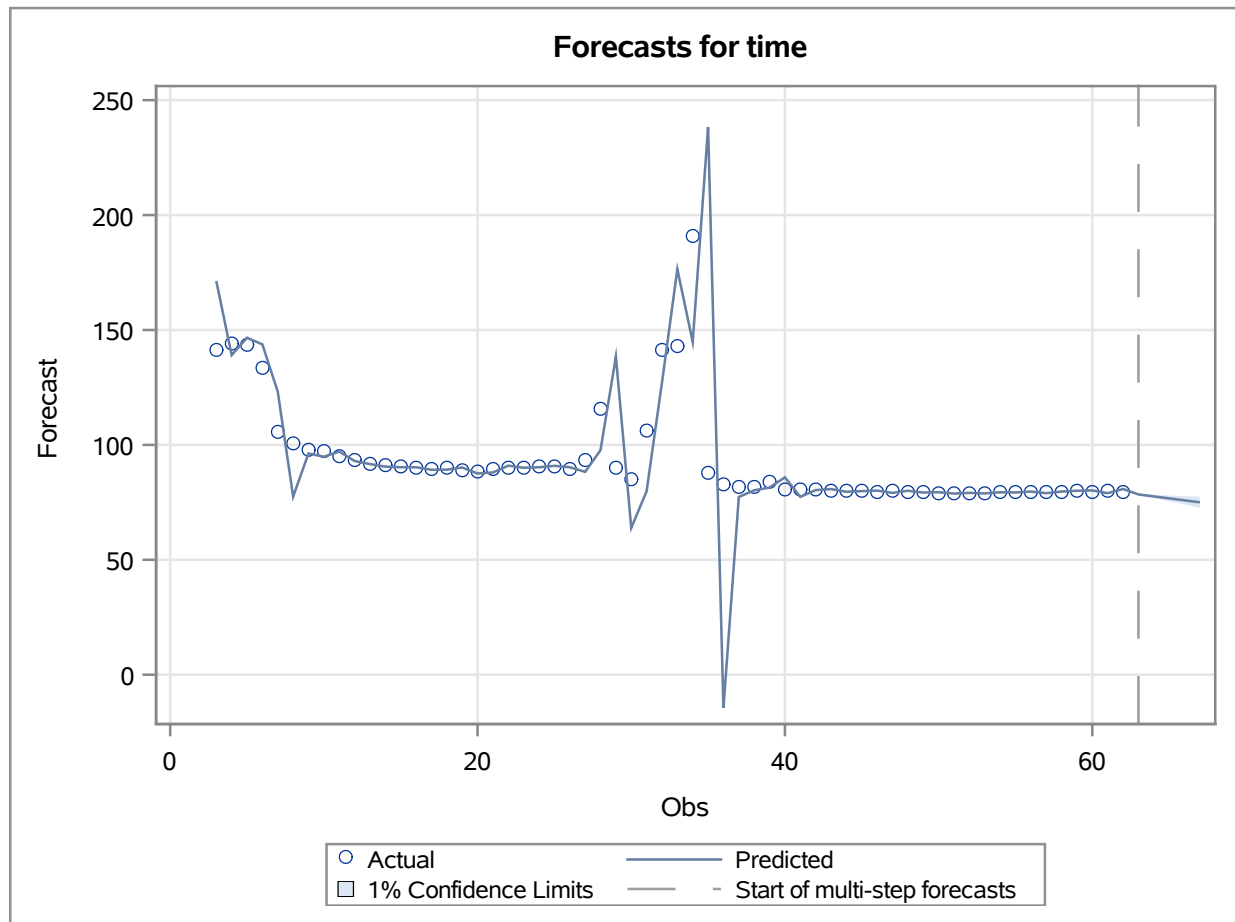
No mean term in this model.

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Forecasts for variable time				
Obs	Forecast	Std Error	1% Confidence Limits	
63	78.4280	26.2201	78.0994	78.7566
64	77.5730	58.6298	76.8382	78.3078
65	76.7180	98.1065	75.4884	77.9476
66	75.8630	143.6132	74.0630	77.6630
67	75.0080	194.4532	72.5708	77.4452



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	Approx Prob>ChiSq
34	Additive	73.90750	15529.11	<.0001
28	Additive	22.69583	1464.41	<.0001