Emilia Romagna Grand Prix, 2021

Forecasting George Russell's Next 5 Lap Times
Nathan Jones 2022

Name of Variable = time	
Period(s) of Differencing	1,1
Mean of Working Series	-0.75614
Standard Deviation	12.60449
Number of Observations	28
Observation(s) eliminated by differencing	2

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	7.95	6	0.2415	-0.490	0.057	0.044	0.038	-0.085	0.005

Variance Estimate	159.445
Std Error Estimate	12.62715
AIC	221.4681
SBC	221.4681
Number of Residuals	28

* AIC and SBC do not include log determinant.

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	7.94	6	0.2424	-0.489	0.063	0.041	0.035	-0.088	0.005
12	8.17	12	0.7719	-0.016	0.029	-0.045	0.040	-0.015	-0.008
18	8.36	18	0.9727	0.007	-0.036	0.042	-0.001	-0.002	-0.003
24	23.98	24	0.4629	0.048	-0.190	0.101	0.083	0.005	-0.212

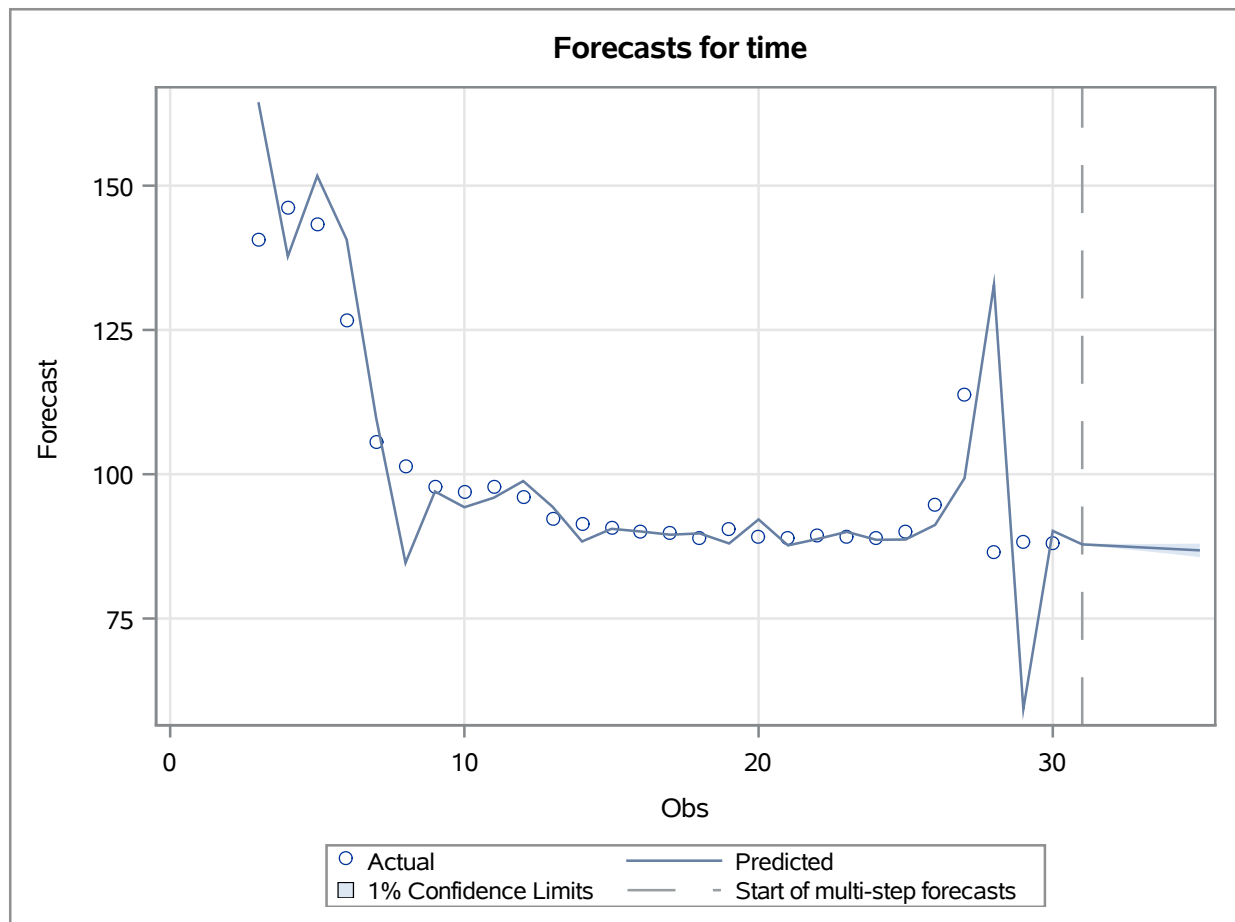| Model for variable time	
Period(s) of Differencing	1,1

No mean term in this model.

Forecasts for variable time				
Obs	Forecast	Std Error	1% Confidence Limits	
31	87.8460	12.6272	87.6877	88.0043
32	87.5870	28.2352	87.2331	87.9409
33	87.3280	47.2465	86.7358	87.9202

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			1% Confidence Limits	
Forecasts for variable time				
Obs	**Forecast**	**Std Error**		
34	87.0690	69.1618	86.2022	87.9358
35	86.8100	93.6455	85.6363	87.9837

Forecasts for time

Outlier Detection Summary	
Maximum number searched	1
Number found	1
Significance used	0.05

Outlier Details				
Obs	**Type**	**Estimate**	**Chi-Square**	**Approx Prob>ChiSq**
27	Additive	22.68167	208.23	<.0001