

luni, 8 iunie 2020, 12:36:17 **3** 

# The AUTOREG Procedure

Dependent Variable logreturn

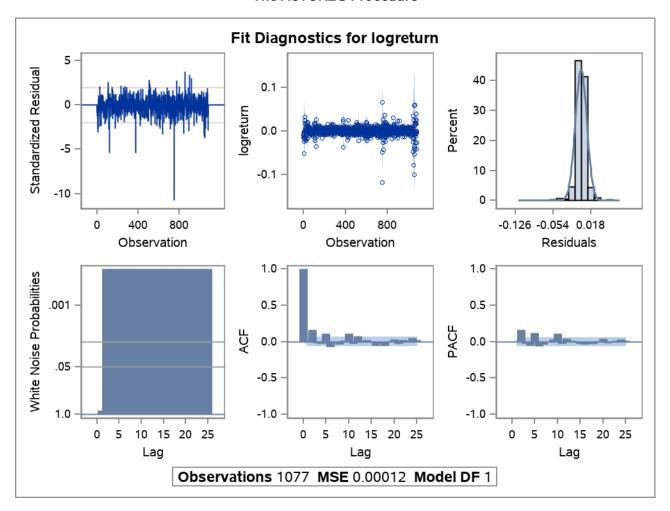
Ordinary Least Squares Estimates						
SSE	0.12891012	DFE	1076			
MSE	0.0001198	Root MSE	0.01095			
SBC	-6662.5533	AIC	-6667.5352			
MAE	0.00648396	AICC	-6667.5315			
MAPE	129.992309	HQC	-6665.6486			
Durbin-Watson	1.9748	Total R-Square	0.0000			

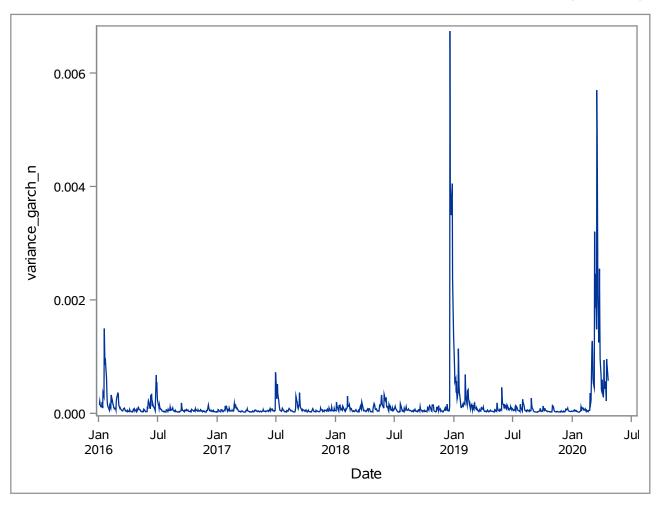
Parameter Estimates						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr >  t	
Intercept	1	0.000407	0.000334	1.22	0.2231	

Algorithm converged.

GARCH Estimates						
SSE	0.12965615	Observations	1077			
MSE	0.0001204	Uncond Var				
Log Likelihood	3630.7347	Total R-Square				
SBC	-7233.5417	AIC	-7253.4694			
MAE	0.0064963	AICC	-7253.4321			
MAPE	210.813981	HQC	-7245.9228			
		Normality Test	9580.2912			
		Pr > ChiSq	<.0001			

Parameter Estimates								
Variable	DF	Estimate	Standard Error	t Value	Approx Pr >  t			
Intercept	1	0.001239	0.000200	6.20	<.0001			
ARCH0	1	7.3433E-6	1.2549E-6	5.85	<.0001			
ARCH1	1	0.4640	0.0219	21.16	<.0001			
GARCH1	1	0.5818	0.0208	27.97	<.0001			





luni, 8 iunie 2020, 12:36:17 **8** 

# The AUTOREG Procedure

Dependent Variable logreturn

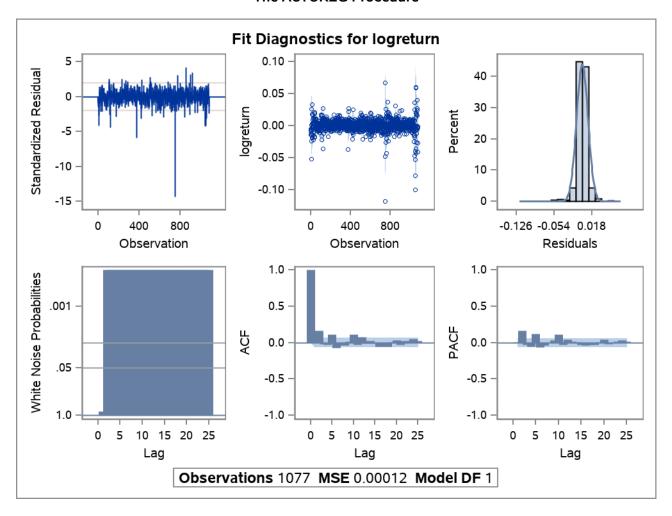
Ordinary Least Squares Estimates						
SSE	0.12891012	DFE	1076			
MSE	0.0001198	Root MSE	0.01095			
SBC	-6662.5533	AIC	-6667.5352			
MAE	0.00648396	AICC	-6667.5315			
MAPE	129.992309	HQC	-6665.6486			
Durbin-Watson	1.9748	Total R-Square	0.0000			

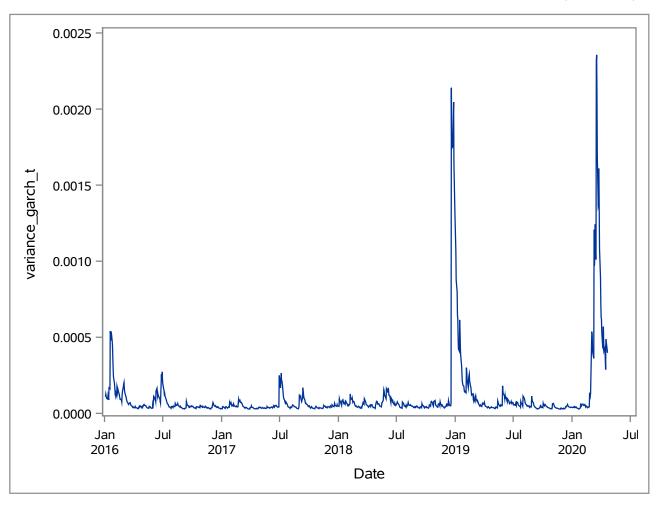
Variable	DF	Estimate	Standard Error	t Value	Approx Pr >  t
Intercept	1	0.000407	0.000334	1.22	0.2231

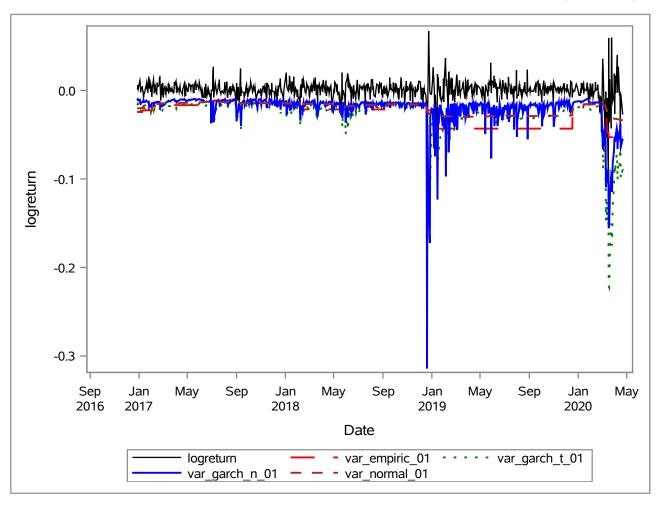
Algorithm converged.

GARCH Estimates						
SSE	0.12912161	Observations	1077			
MSE	0.0001199	Uncond Var	0.00008197			
Log Likelihood	3737.39125	Total R-Square				
SBC	-7439.8728	AIC	-7464.7825			
MAE	0.00648006	AICC	-7464.7265			
MAPE	171.653288	HQC	-7455.3492			
		Normality Test	45298.6644			
		Pr > ChiSq	<.0001			

Parameter Estimates									
Variable			Approx Pr >  t	Variable Label					
Intercept	1	0.000850	0.000193	4.40	<.0001				
ARCH0	1	4.4625E-6	1.3229E-6	3.37	0.0007				
ARCH1	1	0.1458	0.0338	4.31	<.0001				
GARCH1	1	0.7998	0.0390	20.48	<.0001				
TDFI	1	0.2135	0.0236	9.06	<.0001	Inverse of t DF			







Obs	р	n	s	z	p_value
1	0.026602	827	22	4.79844	.008000000

Obs	р	n	s	z	p_value
1	0.018138	827	15	2.35204	.009335382

Obs	р	n	s	z	p_value
1	0.025393	827	21	4.44896	.000004314

Obs	р	n	s	z	p_value
1	.009673519	827	8	-0.094361	0.53759