

luni, 8 iunie 2020, 12:34:45 **3** 

# The AUTOREG Procedure

Dependent Variable logreturn

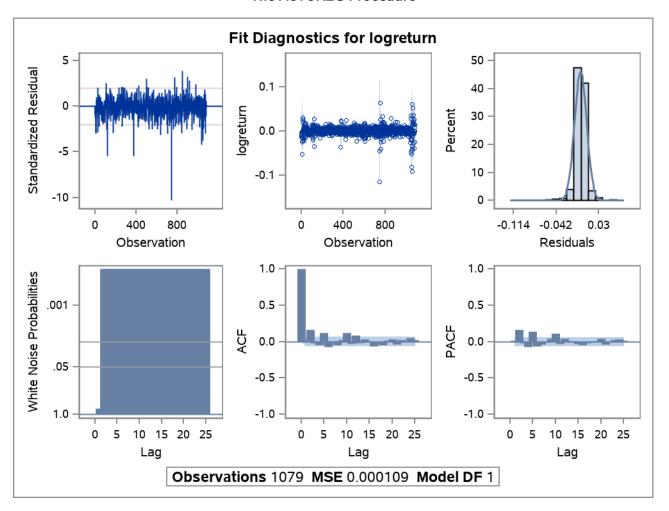
Ordinary Least Squares Estimates						
SSE	0.11690707	DFE	1078			
MSE	0.0001084	Root MSE	0.01041			
SBC	-6782.3958	AIC	-6787.3796			
MAE	0.00607609	AICC	-6787.3759			
MAPE	113.457606	HQC	-6785.4924			
Durbin-Watson	1.9742	Total R-Square	0.0000			

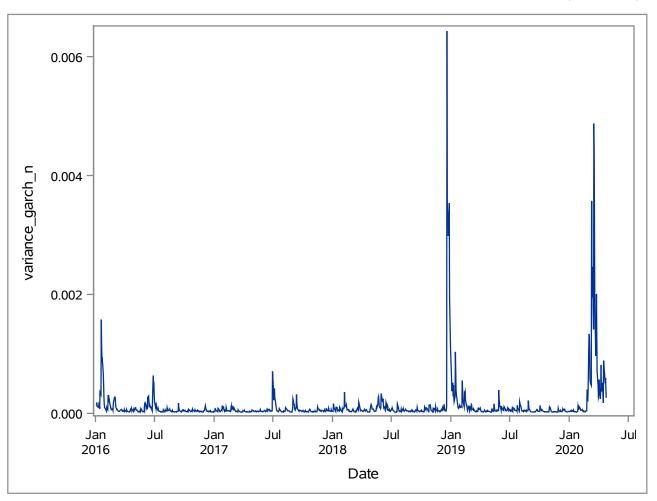
Parameter Estimates							
Variable DF Estimate		Standard Error	t Value	Approx Pr >  t			
Intercept	1	0.000412	0.000317	1.30	0.1945		

Algorithm converged.

	GARCH Estimates							
SSE	0.11767363	Observations	1079					
MSE	0.0001091	Uncond Var						
Log Likelihood	3711.28876	Total R-Square						
SBC	-7394.6424	AIC	-7414.5775					
MAE	0.00608232	AICC	-7414.5403					
MAPE	160.846559	HQC	-7407.0288					
		Normality Test	7527.1990					
		Pr > ChiSq	<.0001					

Parameter Estimates								
Variable	DF	Estimate	Standard Error	t Value	Approx Pr >  t			
Intercept	1	0.001254	0.000189	6.63	<.0001			
ARCH0	1	7.7806E-6	1.1944E-6	6.51	<.0001			
ARCH1	1	0.4851	0.0223	21.76	<.0001			
GARCH1	1	0.5443	0.0233	23.37	<.0001			





luni, 8 iunie 2020, 12:34:45 **8** 

# The AUTOREG Procedure

Dependent Variable logreturn

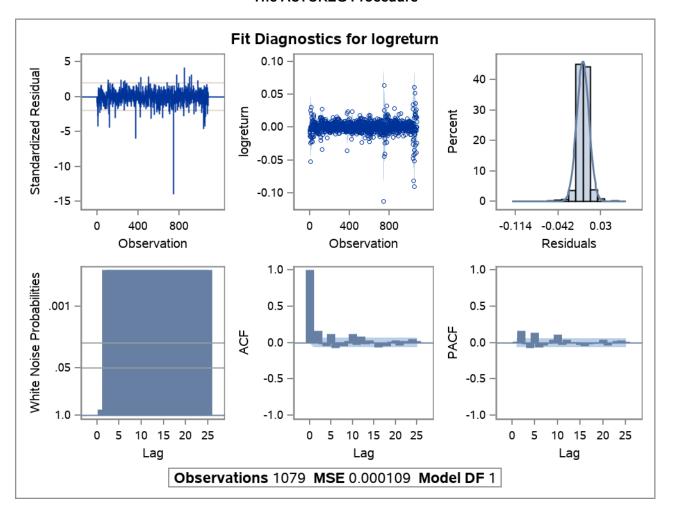
Ord	Ordinary Least Squares Estimates						
SSE	0.11690707	DFE	1078				
MSE	0.0001084	Root MSE	0.01041				
SBC	-6782.3958	AIC	-6787.3796				
MAE	0.00607609	AICC	-6787.3759				
MAPE	113.457606	HQC	-6785.4924				
Durbin-Watson	1.9742	Total R-Square	0.0000				

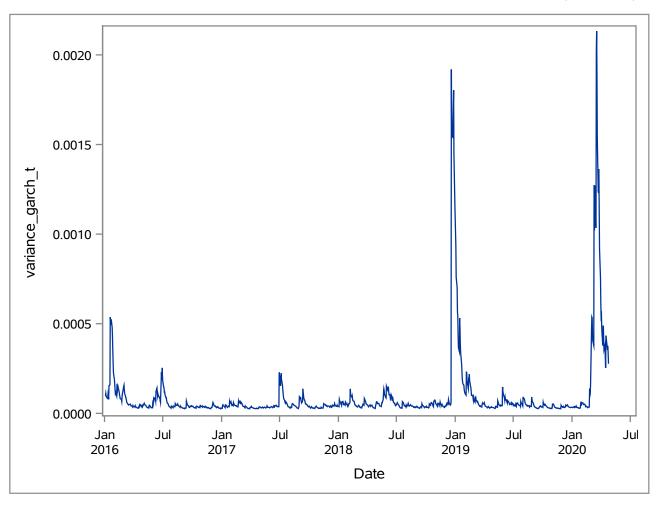
Parameter Estimates							
Variable DF Estimate		Standard Error	t Value	Approx Pr >  t			
Intercept	1	0.000412	0.000317	1.30	0.1945		

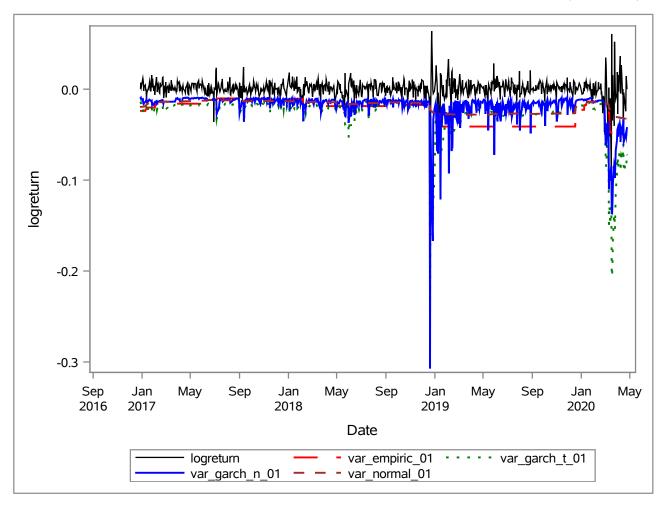
Algorithm converged.

GARCH Estimates							
SSE	0.11715073	Observations	1079				
MSE	0.0001086	Uncond Var	0.00006987				
Log Likelihood	3819.34815	Total R-Square					
SBC	-7603.7774	AIC	-7628.6963				
MAE	0.00606678	AICC	-7628.6404				
MAPE	138.614656	HQC	-7619.2604				
		Normality Test	39799.4028				
		Pr > ChiSq	<.0001				

Parameter Estimates								
Variable	DF	Estimate	Standard Error	t Value	Approx Pr >  t	Variable Label		
Intercept	1	0.000887	0.000180	4.94	<.0001			
ARCH0	1	4.1249E-6	1.1857E-6	3.48	0.0005			
ARCH1	1	0.1430	0.0332	4.31	<.0001			
GARCH1	1	0.7979	0.0390	20.48	<.0001			
TDFI	1	0.2221	0.0245	9.05	<.0001	Inverse of t DF		







Obs	р	n	s	z	p_value
1	0.026538	829	22	4.78567	.000000852

Obs	р	n	s	z	p_value
1	0.018094	829	15	2.34222	.009584710

Obs	р	n	s	z	p_value
1	0.022919	829	19	3.73848	.000092570

Obs	р	n	s	z	p_value
1	.008443908	829	7	-0.45029	0.67375