

luni, 8 iunie 2020, 12:44:13 **3** 

# The AUTOREG Procedure

Dependent Variable logreturn

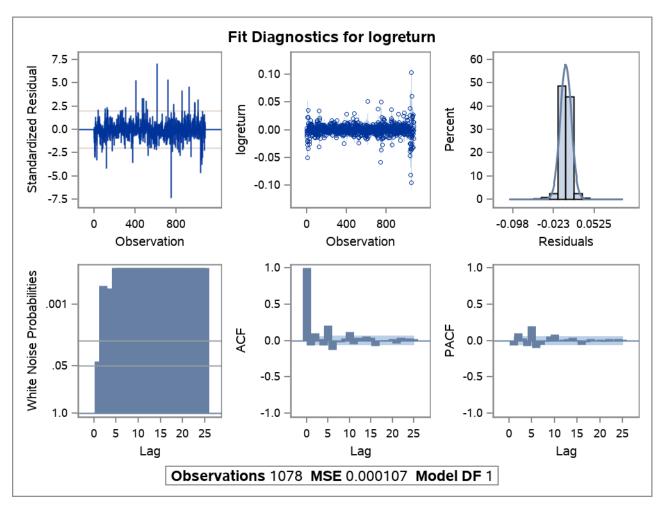
Ordinary Least Squares Estimates							
SSE	0.11508009	1077					
MSE	0.0001069	Root MSE	0.01034				
SBC	-6792.0846	AIC	-6797.0674				
MAE	0.00599515	AICC	-6797.0637				
MAPE	110.117179	HQC	-6795.1805				
Durbin-Watson	2.1258	Total R-Square	0.0000				

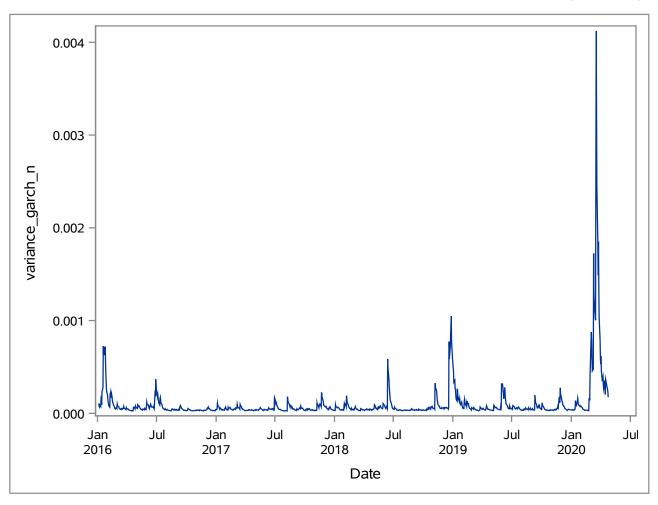
Parameter Estimates							
Variable DF E		Estimate	Standard Error	t Value	Approx Pr >  t		
Intercept	1	0.000263	0.000315	0.83	0.4042		

Algorithm converged.

GARCH Estimates							
SSE	0.11521981	Observations	1078				
MSE	0.0001069	Uncond Var	0.00009961				
Log Likelihood	3701.679	Total R-Square					
SBC	-7375.4265	AIC	-7395.358				
MAE	0.00600246	AICC	-7395.3207				
MAPE	130.909143	HQC	-7387.8103				
		Normality Test	2849.2543				
		Pr > ChiSq	<.0001				

Parameter Estimates								
Variable	DF	Estimate	Standard Error	t Value	Approx Pr >  t			
Intercept	1	0.000623	0.000179	3.48	0.0005			
ARCH0	1	6.3303E-6	6.7639E-7	9.36	<.0001			
ARCH1	1	0.2059	0.0181	11.38	<.0001			
GARCH1	1	0.7305	0.0200	36.61	<.0001			





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# The AUTOREG Procedure

Dependent Variable logreturn

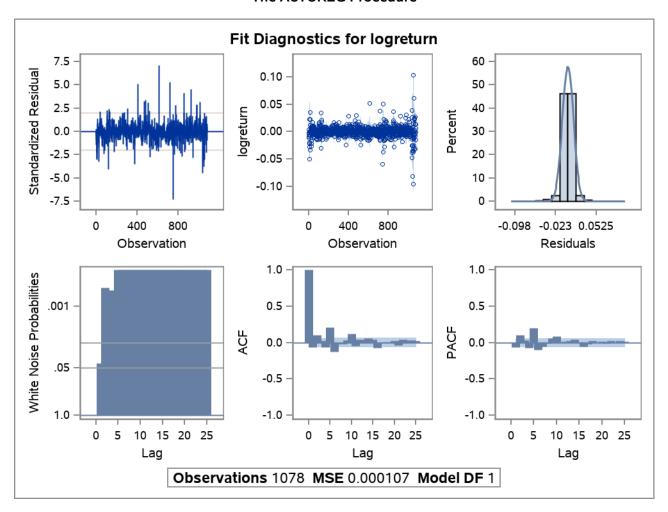
Ordinary Least Squares Estimates							
SSE	0.11508009	1077					
MSE	0.0001069	Root MSE	0.01034				
SBC	-6792.0846	AIC	-6797.0674				
MAE	0.00599515	AICC	-6797.0637				
MAPE	110.117179	HQC	-6795.1805				
Durbin-Watson	2.1258	Total R-Square	0.0000				

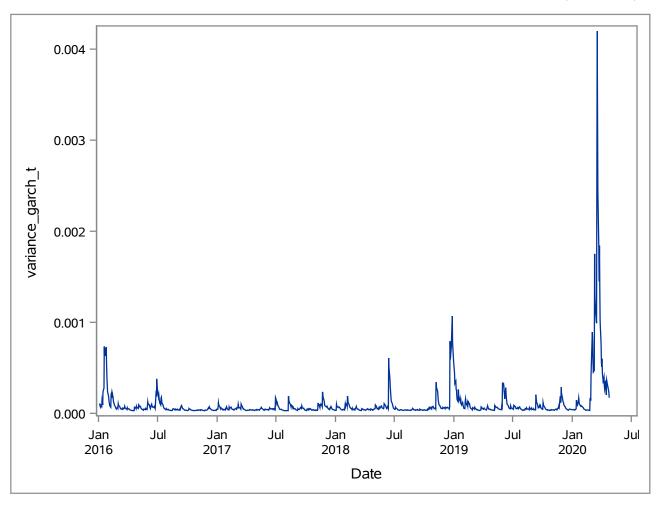
Variable	DF	Estimate	Standard Error	t Value	Approx Pr >  t
Intercept	1	0.000263	0.000315	0.83	0.4042

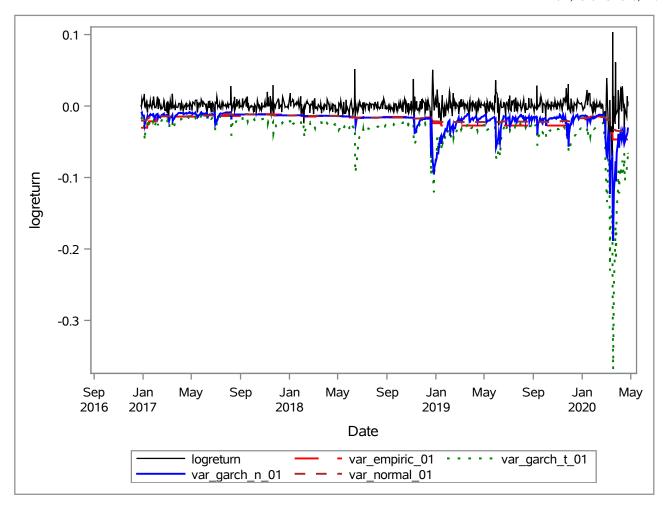
Algorithm converged.

GARCH Estimates							
SSE	0.11509224	Observations	1078				
MSE	0.0001068	Uncond Var	0.00010879				
Log Likelihood	og Likelihood 3822.79591						
SBC	-7610.6775	AIC	-7635.5918				
MAE	0.00599492	AICC	-7635.5359				
MAPE	115.680724	нос	-7626.1572				
		Normality Test	3000.0715				
		Pr > ChiSq	<.0001				

Parameter Estimates								
Variable	DF	Estimate Standard Error t Value		Approx Pr >  t	Variable Label			
Intercept	1	0.000369	0.000170	2.17	0.0300			
ARCH0	1	7.2418E-6	2.0425E-6	3.55	0.0004			
ARCH1	1	0.2124	0.0528	4.02	<.0001			
GARCH1	1	0.7210	0.0480	15.02	<.0001			
TDFI	1	0.2948	0.0331	8.90	<.0001	Inverse of t DF		







Obs	р	n	s	z	p_value
1	0.025362	828	21	4.44278	.000004440

Obs	р	n	s	z	p_value
1	0.020531	828	17	3.04568	.001160789

Obs	р	n	s	z	p_value
1	0.020531	828	17	3.04568	.001160789

Obs	р	n	s	z	p_value
1	.003623188	828	3	-1.84417	0.96742