

The AUTOREG Procedure

Dependent Variable	logreturn
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The AUTOREG Procedure

Ordinary Least Squares Estimates			
SSE	0.124963	DFE	1076
MSE	0.0001161	Root MSE	0.01078
SBC	-6696.0455	AIC	-6701.0274
MAE	0.00631821	AICC	-6701.0237
MAPE	107.469628	HQC	-6699.1408
Durbin-Watson	1.9987	Total R-Square	0.0000

Parameter Estimates					
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t
Intercept	1	0.000129	0.000328	0.39	0.6954

Algorithm converged.

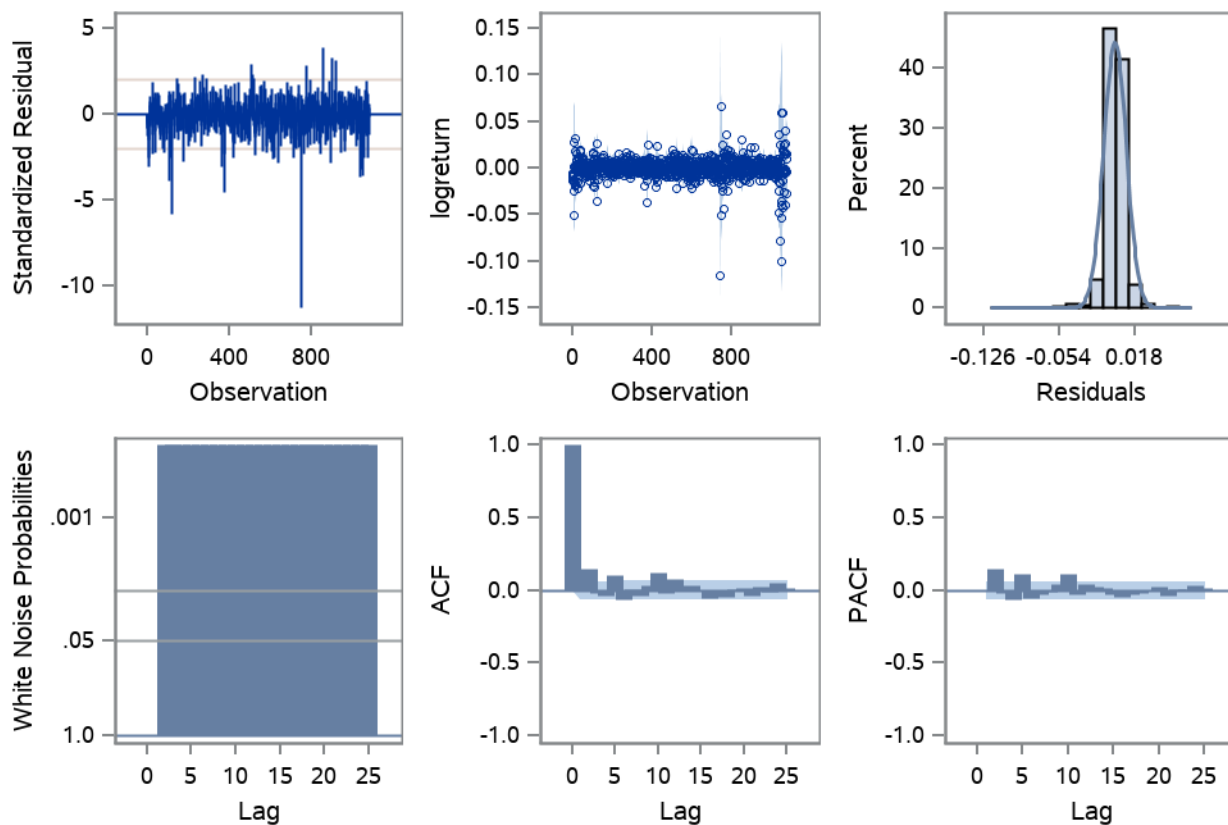
The AUTOREG Procedure

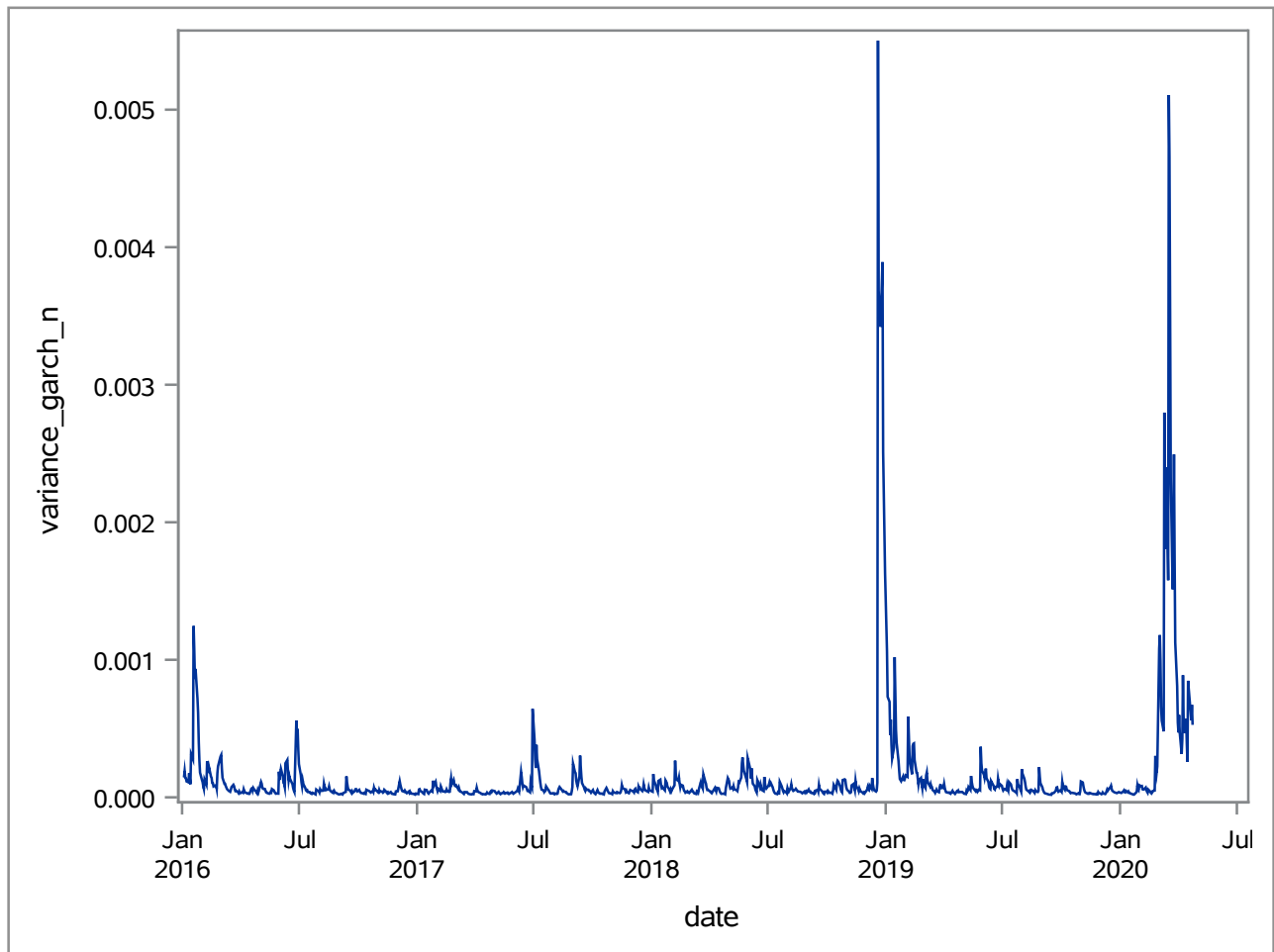
GARCH Estimates			
SSE	0.12583659	Observations	1077
MSE	0.0001168	Uncond Var	.
Log Likelihood	3651.24153	Total R-Square	.
SBC	-7274.5553	AIC	-7294.4831
MAE	0.00632141	AICC	-7294.4458
MAPE	184.486553	HQC	-7286.9365
		Normality Test	13523.4006
		Pr > ChiSq	<.0001

Parameter Estimates					
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t
Intercept	1	0.001029	0.000202	5.09	<.0001
ARCH0	1	5.6493E-6	1.045E-6	5.41	<.0001
ARCH1	1	0.3967	0.0198	19.99	<.0001
GARCH1	1	0.6435	0.0164	39.29	<.0001

The AUTOREG Procedure

Fit Diagnostics for logreturn

**Observations 1077 MSE 0.000116 Model DF 1**



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Dependent Variable	logreturn
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The AUTOREG Procedure

Ordinary Least Squares Estimates			
SSE	0.124963	DFE	1076
MSE	0.0001161	Root MSE	0.01078
SBC	-6696.0455	AIC	-6701.0274
MAE	0.00631821	AICC	-6701.0237
MAPE	107.469628	HQC	-6699.1408
Durbin-Watson	1.9987	Total R-Square	0.0000

Parameter Estimates					
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t
Intercept	1	0.000129	0.000328	0.39	0.6954

Algorithm converged.

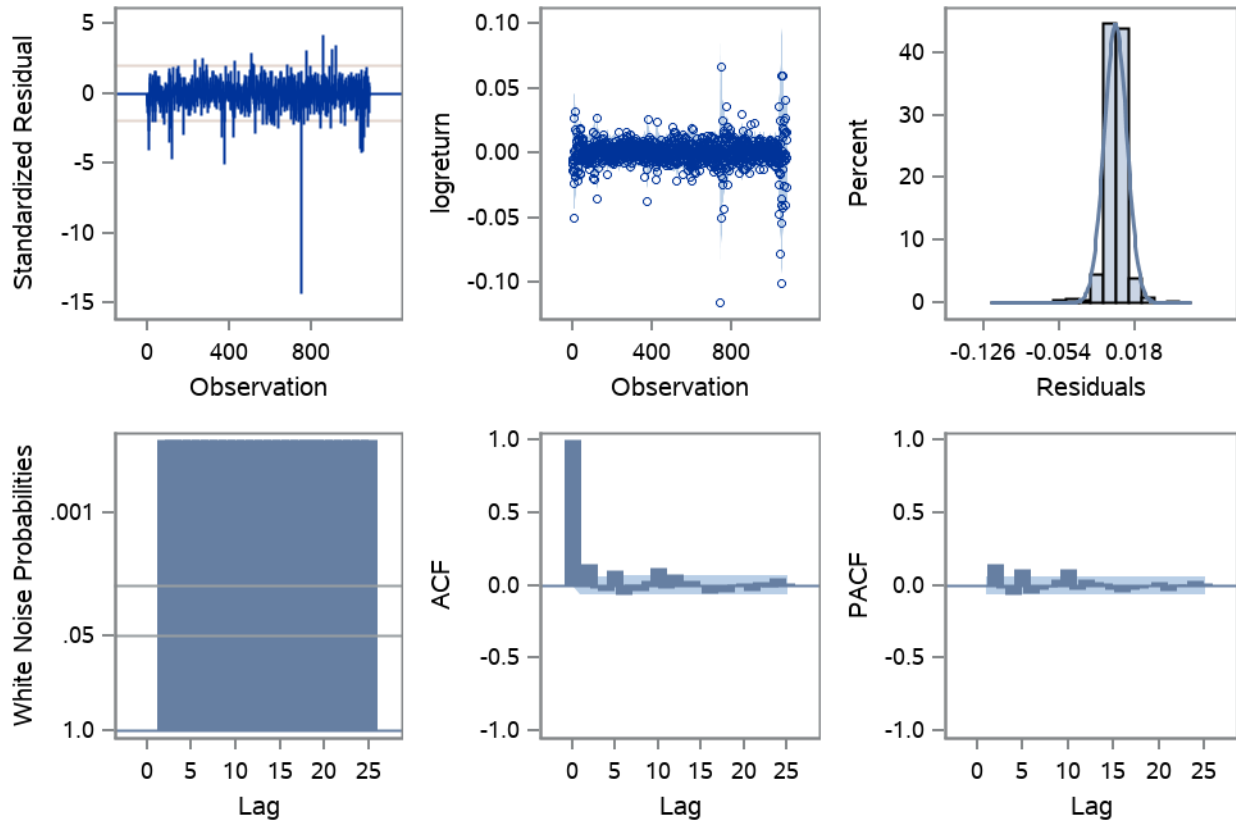
The AUTOREG Procedure

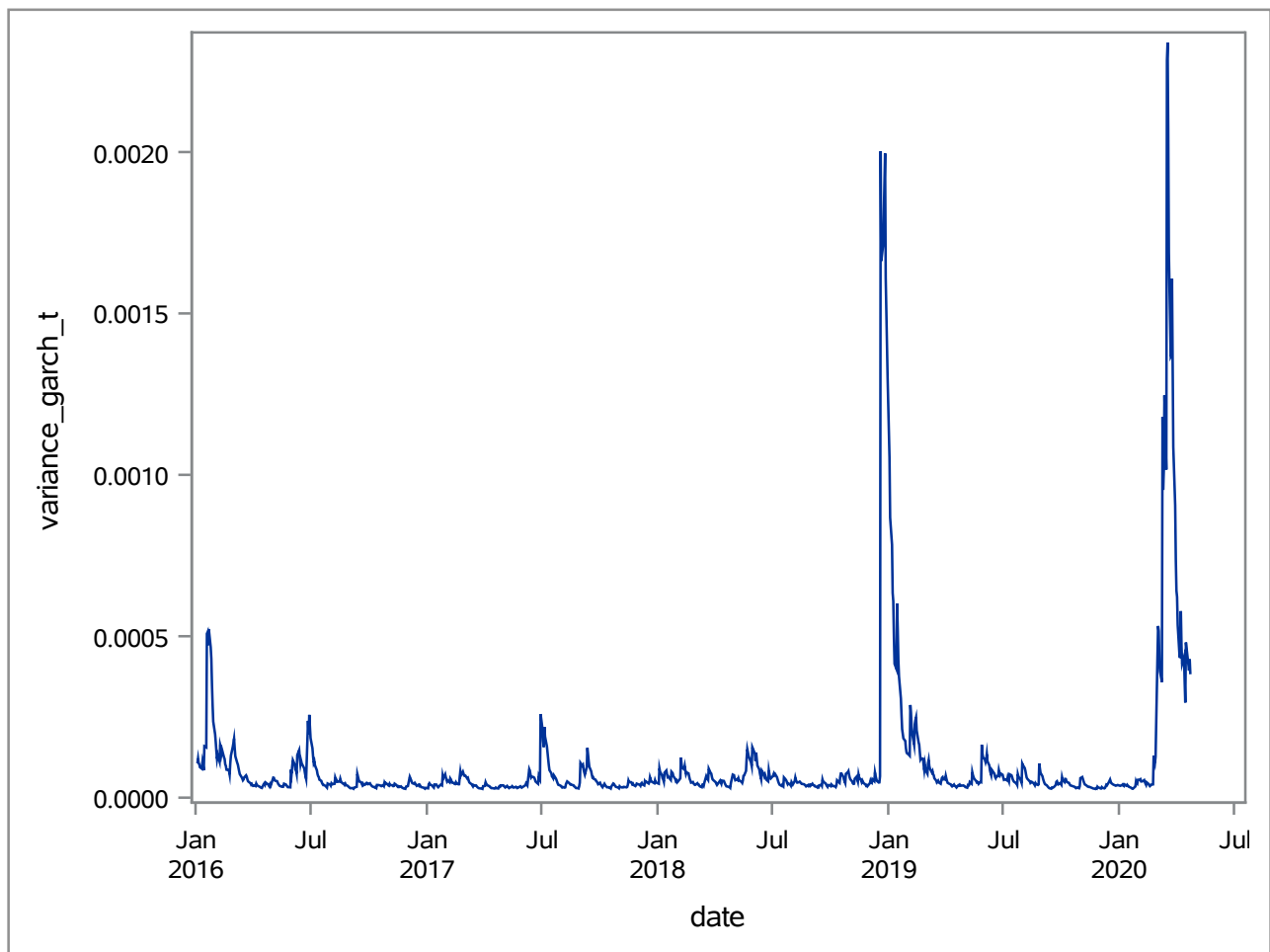
GARCH Estimates			
SSE	0.12528691	Observations	1077
MSE	0.0001163	Uncond Var	0.00008004
Log Likelihood	3766.29916	Total R-Square	.
SBC	-7497.6886	AIC	-7522.5983
MAE	0.00630697	AICC	-7522.5423
MAPE	151.833453	HQC	-7513.1651
		Normality Test	47685.4983
		Pr > ChiSq	<.0001

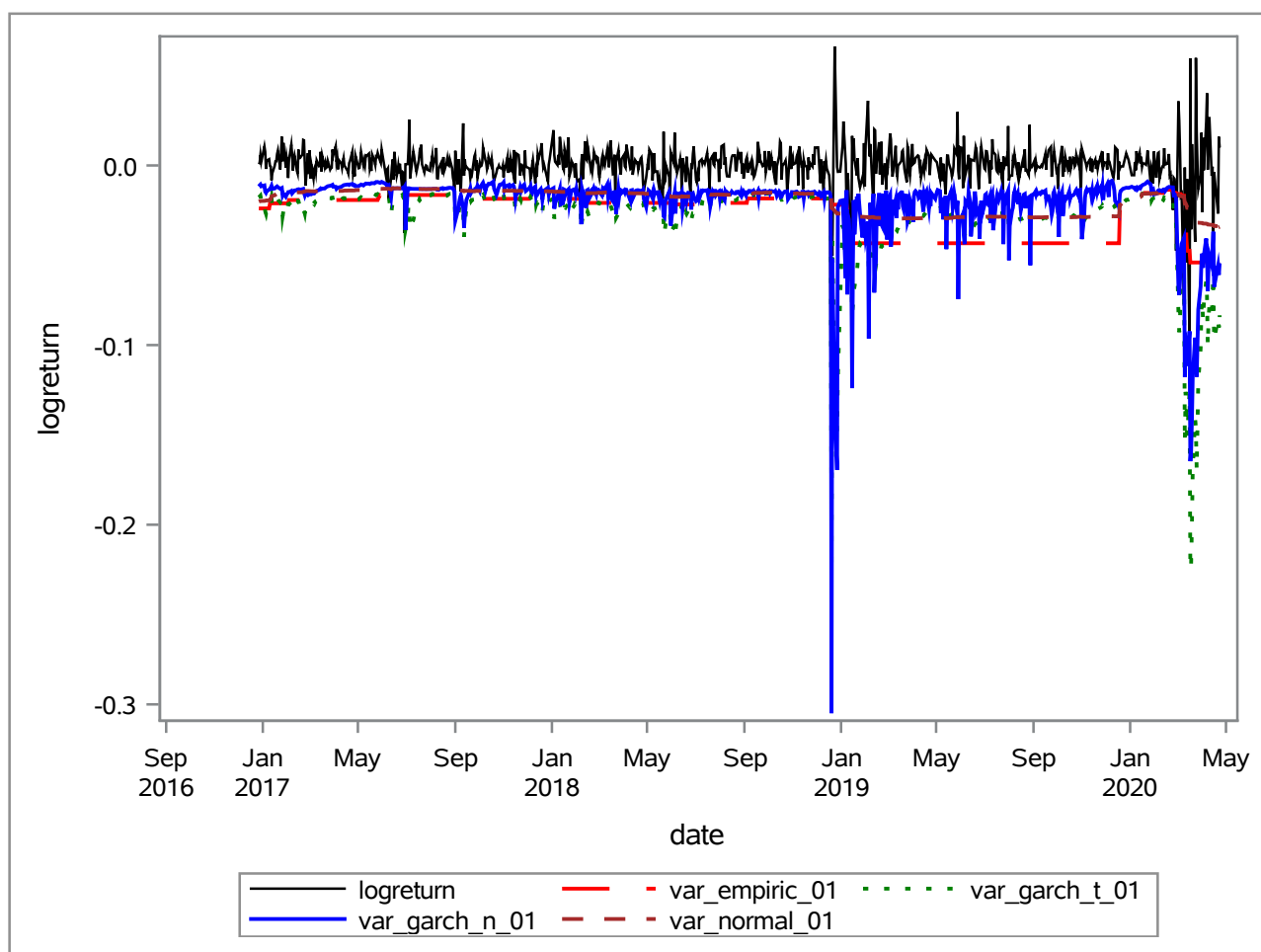
Parameter Estimates						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t	Variable Label
Intercept	1	0.000677	0.000187	3.63	0.0003	
ARCH0	1	4.2184E-6	1.2563E-6	3.36	0.0008	
ARCH1	1	0.1431	0.0336	4.26	<.0001	
GARCH1	1	0.8042	0.0380	21.16	<.0001	
TDFI	1	0.2262	0.0251	9.00	<.0001	Inverse of t DF

The AUTOREG Procedure

Fit Diagnostics for logreturn

**Observations 1077 MSE 0.000117 Model DF 1**





Obs	p	n	s	z	p_value
1	0.026602	827	22	4.79844	.000000800

Obs	p	n	s	z	p_value
1	0.019347	827	16	2.70153	.003451105

Obs	p	n	s	z	p_value
1	0.022975	827	19	3.74998	.000088423

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