

| Model Summary | |
|----------------------|---|
| Model Variables | 1 |
| Parameters | 3 |
| Equations | 1 |
| Number of Statements | 2 |
| Program Lag Length | 1 |

| Model Variables | Robor_3m |
|-----------------|-----------|
| Parameters | a b sigma |
| Equations | Robor_3m |

| The Equation to Estimate is | | |
|-----------------------------|------------|--|
| Robor_3m = | F(a, b(a)) | |
| VAR(Robor_3m) = | H(sigma) | |

The estimation lag length | 1

NOTE: At FIML Iteration 10 CONVERGE=0.001 Criteria Met.

The MODEL Procedure FIML Estimation Summary

| Data Set Options | | |
|------------------|---------|--|
| DATA= | DATE | |
| OUT= | PREDICT | |

| Minimization Summary | | |
|------------------------|-------|--|
| Parameters Estimated 3 | | |
| Method | Gauss | |
| Hessian | Cross | |
| Covariance Estimator | Cross | |
| Iterations | 10 | |

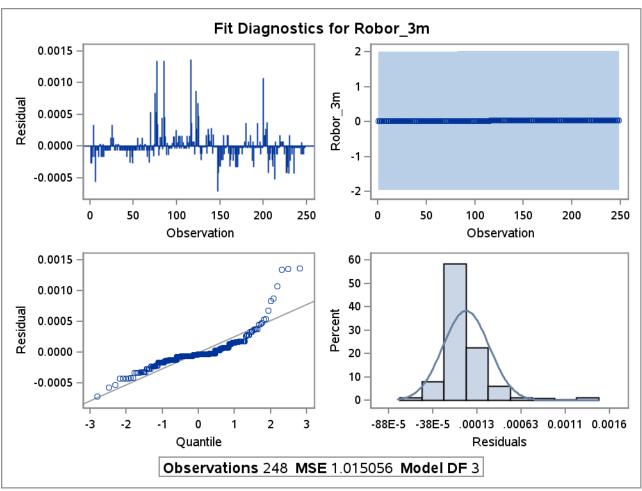
| Final Convergence Criteria | | |
|-------------------------------|----------|--|
| R | 0.000743 | |
| PPC(sigma) | 0.001346 | |
| RPC(sigma) | 0.010898 | |
| Object | 0.000022 | |
| Trace(S) | 6.737E-8 | |
| Gradient norm | 1.767648 | |
| Log likelihood | 1695.372 | |

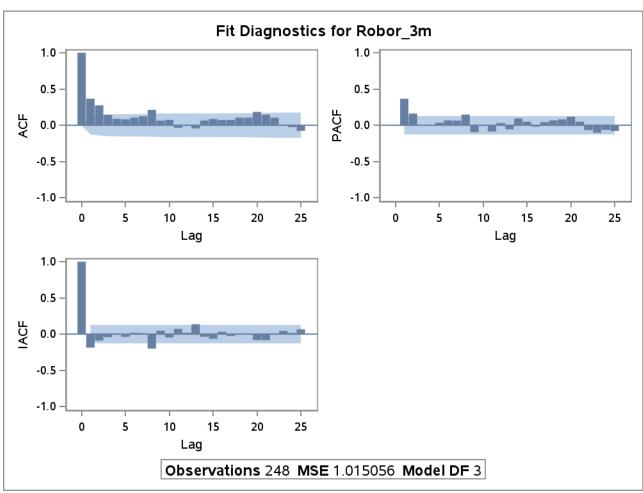
| Observations Processed | | |
|---------------------------|-----|--|
| Read | 249 | |
| Solved | 248 | |
| First | 2 | |
| Last | 249 | |
| Lagged | 1 | |

| Nonlinear FIML Summary of Residual Errors | | | | | | | |
|---|-------------|-------------|----------|---------|----------|----------|-------------|
| Equation | DF Model | DF Error | SSE | MSE | Root MSE | R-Square | Adj R-Sq |
| Robor_3m | 3 | 245 | 0.000017 | 6.82E-8 | 0.000261 | 0.9976 | 0.9976 |
| RESID.Robor_3m | | 245 | 248.7 | 1.0151 | 1.0075 | | |

| Nonlinear FIML Parameter Estimates | | | | | |
|------------------------------------|----------|-------------------|---------|-------------------|---------------------------|
| Parameter | Estimate | Approx Std Err | t Value | Approx Pr > t | Label |
| а | 0.003433 | 0.00293 | 1.17 | 0.2428 | Speed of Mean Reversion |
| b | 0.039236 | 0.0118 | 3.34 | 0.0010 | Long term Mean |
| sigma | 0.001571 | 0.000070 | 22.32 | <.0001 | Constant part of variance |

| Number of Observations | | Statistics for Sy | /stem |
|---------------------------|-----|-------------------|-------|
| Used | 248 | Log Likelihood | 1695 |
| Missing | 0 | | |





| Model Summary | | |
|----------------------|------|--|
| Model Variables | 1 | |
| Endogenous | 1 | |
| Parameters | 3 | |
| Range Variable | year | |
| Equations | 1 | |
| Number of Statements | 3 | |
| Program Lag Length | 1 | |

| Model Variables | Robor_3m |
|----------------------------|--|
| Parameters(Value(t Value)) | a(0.0034328235(1.1708388609)) b(0.0392355211(3.3359674236)) sigma(0.001571117(22.317015738)) |
| Equations | Robor_3m |

The MODEL Procedure Dynamic Single-Equation 1-Periods-Ahead Forecasting Simulation

| Data Set Options | |
|------------------|----------|
| DATA= | DATE |
| OUT= | FORECAST |

| Solution Summa | ary |
|-----------------------|--------|
| Variables Solved | 1 |
| Simulation Lag Length | 1 |
| Nonzero Derivatives | 1 |
| Solution Range | year |
| First | 2019 |
| Last | 2019 |
| Solution Method | NEWTON |
| CONVERGE= | 1E-8 |
| Maximum CC | 0 |
| Maximum Iterations | 1 |
| Total Iterations | 48 |
| Average Iterations | 1 |

| Observ Proce | |
|-----------------|-----|
| Read | 96 |
| Lagged | 48 |
| Solved | 48 |
| First | 250 |
| Last | 297 |

| Variables Solved For Robor |
|----------------------------|
|----------------------------|

