SDE Parameter Estimation Results

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Data Summary:

- Number of observations: 490
- Time period: 2022-01-04 to NaT
- Time step (dt): 0.003968 years
- Mean price: 3860.17
- Price volatility: 0.2815 (annualized)

Model Specification:

Estimation Method:

Extended Kalman Filter with Maximum Likelihood Estimation

Parameter Estimates

Parameter	Estimate 0.047776	Std Error 0.197003	z-value 0.242513	Pr(> z) 0.808383	Significance
alpha	0.489760	1.308486	0.374296	0.708184	
beta	0.248228	1.966182	0.126249	0.899535	
theta bar	1.000000	NaN	NaN	NaN	
sigma S	0.273220	0.009572	28.542159	0.000000	***
sigma L	0.199077	NaN	NaN	NaN	
rho1	0.300000	0.000000	inf	0.000000	***
rho2	0.200000	0.000000	inf	0.000000	***
rho3	0.100000	0.000000	inf	0.000000	***

Significance codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1







