

Results are obtained with h_0^P estimated

CALIBRATED PARAMETERS ON WEDNESDAYS, $h_0^Q = \frac{\omega_0 + \alpha_0}{1 - \beta_0 - \alpha_0 \gamma_0^{*2}}$, WITH $\omega_0, \alpha_0, \beta_0, \gamma_0^{*2}$ FROM MLE UNDER P									
θ	2010	2011	2012	2013	2014	2015	2016	2017	2018
ω	$5.5653e-06$ ($1.8137e-05$)	$3.1846e-05$ ($6.7466e-05$)	$4.1728e-09$ ($2.4287e-08$)	$6.6836e-10$ ($4.1701e-09$)	$1.2521e-10$ ($3.4804e-10$)	$5.0176e-08$ ($2.3727e-07$)	$2.2306e-06$ ($1.1338e-05$)	$2.9310e-11$ ($4.3379e-11$)	$5.2541e-11$ ($2.6010e-10$)
α	$2.7628e-05$ ($1.4333e-05$)	$2.8256e-05$ ($2.1615e-05$)	$2.1205e-05$ ($6.7009e-06$)	$2.4167e-05$ ($6.1638e-06$)	$2.2086e-05$ ($5.2764e-06$)	$1.5516e-05$ ($6.3090e-06$)	$1.7227e-05$ ($8.5668e-06$)	$2.1659e-05$ ($4.0113e-06$)	$1.3891e-05$ ($8.3181e-06$)
β	0.1441 (0.2597)	0.0708 (0.1733)	0.0886 (0.1780)	0.0266 (0.0987)	0.0209 (0.0886)	0.0639 (0.1432)	0.0851 (0.1893)	0.0000 (0.0000)	0.1441 (0.2597)
γ^*	189.1694 (123.8594)	191.9448 (157.0711)	189.3692 (36.8535)	159.3598 (33.9014)	162.6329 (52.4628)	269.3219 (235.2829)	233.1026 (281.6028)	111.4031 (37.9426)	334.1694 (396.1694)
h_0^Q	$1.5139e-04$ ($2.0497e-06$)	$1.5528e-04$ ($4.7438e-06$)	$1.5668e-04$ ($4.6952e-06$)	$1.4638e-04$ ($1.1105e-06$)	$1.4938e-04$ ($1.8748e-06$)	0.0002 ($1.0674e-06$)	$1.5480e-04$ ($1.5528e-06$)	$1.4806e-04$ ($3.7445e-06$)	$1.2721e-04$ ($1.4361e-06$)
MSE	2.5101	6.9234	3.8345	5.4914	10.8165	8.2407	13.1889	32.4968	20.1441
$IVRMSE$	0.1325	0.1588	0.1500	0.1307	0.1585	0.1403	0.1535	0.2131	0.1441

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CALIBRATED PARAMETERS ON WEDNESDAYS, $h_0^Q = h_t^P$									
θ	2010	2011	2012	2013	2014	2015	2016	2017	2018
ω	$1.6933e-07$ ($5.2214e-07$)	$1.2197e-05$ ($4.2154e-05$)	$3.9062e-07$ ($1.6612e-06$)	$9.6197e-08$ ($5.0833e-07$)	$1.2883e-06$ ($6.8510e-06$)	$4.1237e-08$ ($1.9931e-07$)	$1.4162e-06$ ($9.0575e-06$)	$8.5586e-07$ ($5.8910e-06$)	$5.2349e-07$ ($3.6461e-06$)
α	$1.5344e-05$ ($1.2299e-05$)	$1.6926e-05$ ($2.9531e-05$)	$1.0201e-05$ ($9.7440e-06$)	$8.2157e-06$ ($8.1769e-06$)	$8.5287e-06$ ($5.7863e-06$)	$9.9197e-06$ ($5.1231e-06$)	$8.9311e-06$ ($6.7390e-06$)	$5.1339e-06$ ($4.0234e-06$)	$8.7179e-06$ ($6.7041e-06$)
β	0.5093 (0.2683)	0.2963 (0.3064)	0.4583 (0.3139)	0.4730 (0.3943)	0.2288 (0.3226)	0.1342 (0.2109)	0.2639 (0.3030)	0.2245 (0.3313)	0.2345 (0.3313)
γ^*	208.1077 (158.8750)	324.9735 (286.2481)	283.3442 (149.7349)	276.5847 (165.0374)	287.3818 (279.5211)	295.3576 (126.8535)	288.4852 (154.7652)	429.2057 (276.9374)	323.4577 (198.4577)
$h_0^Q = h_t^P$	$1.2843e-04$ ($8.7675e-05$)	$1.5885e-04$ ($1.0228e-04$)	$8.8858e-05$ ($4.2482e-05$)	$6.0313e-05$ ($3.1009e-05$)	$6.5265e-05$ ($3.7863e-05$)	$1.1085e-04$ ($6.5832e-05$)	$9.9075e-05$ ($7.2668e-05$)	$4.0828e-05$ ($2.3485e-05$)	$1.1259e-04$ ($8.8641e-05$)
MSE	3.8767	2.9339	1.0115	1.5067	2.8968	2.9700	5.3108	10.0934	6.0408
$IVRMSE$	0.1072	0.1256	0.1332	0.1144	0.1278	0.1247	0.1373	0.1546	0.1471

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CALIBRATED PARAMETERS ON WEDNESDAYS, h_0^Q IS CALIBRATED, CRITERION MSE									
θ	2010	2011	2012	2013	2014	2015	2016	2017	2018
ω	$1.0488e-07$ ($4.3237e-07$)	$5.8246e-07$ ($9.9623e-07$)	$2.5115e-07$ ($5.7761e-07$)	$1.6648e-07$ ($4.5215e-07$)	$2.3430e-07$ ($4.5167e-07$)	$7.7768e-08$ ($2.6235e-07$)	$1.1626e-07$ ($2.7833e-07$)	$8.2065e-08$ ($3.2339e-07$)	$7.6451e-08$ ($3.3181e-07$)
α	$8.4165e-06$ ($6.7016e-06$)	$4.4508e-06$ ($2.4687e-06$)	$2.8014e-06$ ($1.4378e-06$)	$2.5121e-06$ ($1.4269e-06$)	$2.5227e-06$ ($2.2280e-06$)	$2.9788e-06$ ($1.3795e-06$)	$2.2257e-06$ ($9.4056e-07$)	$1.3120e-06$ ($7.8262e-07$)	$1.4571e-06$ ($7.2941e-07$)
β	0.6871 (0.1397)	0.5490 (0.2245)	0.7000 (0.1376)	0.7605 (0.1253)	0.6585 (0.1859)	0.5583 (0.1226)	0.5809 (0.1377)	0.6908 (0.1482)	0.6401 (0.1401)
γ^*	197.5895 (79.0995)	347.0532 (210.7790)	349.9407 (182.3969)	311.1355 (155.5853)	419.7989 (230.8533)	397.9111 (128.9083)	439.0339 (115.1693)	454.7184 (207.7471)	502.1111 (132.1111)
h_0^Q	$1.2420e-04$ ($7.7985e-05$)	$1.7303e-04$ ($1.3864e-04$)	$7.7115e-05$ ($3.0317e-05$)	$4.6121e-05$ ($2.5813e-05$)	$4.3171e-05$ ($3.8513e-05$)	0.0001 ($4.8647e-05$)	$6.1981e-05$ ($4.8685e-05$)	$1.7690e-05$ ($1.1101e-05$)	$6.7041e-05$ ($5.9641e-05$)
MSE	0.3344	0.4992	0.3164	0.1865	0.2756	0.4952	0.5942	0.8425	1.4444
$IVRMSE$	0.0821	0.0916	0.1231	0.1047	0.1211	0.1351	0.1270	0.1390	0.1444