

Correction to "Efficient Estimation of the Parameter Path in Unstable Time Series Models" by Ulrich K. Müller and Philippe-Emmanuel Petalas, *Review of Economic Studies* 77, 1508–1539

The algorithm given on page 1513 only corresponds to what is derived in Theorem 5 when all parameters are assumed time varying, that is if $p = k$. For $p < k$, step 1 should instead read

1. For $t = 1, \dots, T$, let \tilde{y}_t be the first p elements of $\hat{H}\hat{V}^{-1}s_t(\hat{\theta})$ and $x_t = \hat{S}_\beta\tilde{y}_t$, where \hat{S}_β is the inverse of the $p \times p$ upper-left block of $\hat{H}\hat{V}^{-1}\hat{H} = \hat{S}^{-1}$.

and the displayed variance formula on the same page should be amended to

$$\Omega_t = T^{-1}\hat{S}_{pp} + \sum_{i=0}^{10} w_i(T^{-1}\hat{S}_\beta\kappa_t(c_i) + (\hat{\beta}_{i,t} - \hat{\beta}_t)(\hat{\beta}_{i,t} - \hat{\beta}_t)')$$

$$\kappa_t(c) = \frac{c(1 + e^{2c} + e^{2ct/T} + e^{2c(1-t/T)})}{2e^{2c} - 2} - 1$$

where \hat{S}_{pp} is the upper left $p \times p$ block of $\hat{S} = \hat{H}^{-1}\hat{V}\hat{H}^{-1}$ and $\kappa_t(0) = 0$.

The definition of \hat{S}_β in the amended step 1. above is the correct one also in the context of the discussion on page 1527.