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Journal of Monetary Economics 49 (2002) 455

Journal of
MONETARY
ECONOMICS

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Erratum

Input and output inventories: erratum \star Brad R. Humphreys^a, Louis J. Maccini^a, Scott Schuh^{b,*}^aDepartment of Economics, UMBC 1000 Hilltop Circle, Baltimore, MD 21250, USA^bFederal Reserve Bank of Boston, P.O. Box 2076, Boston, MA 02106-2076, USA

The Euler equations in our paper “Input and output inventories” (*Journal of Monetary Economics* 47(2) (2001) 347–375) contain several typographical errors. There are two types of errors: (1) The first difference operator, Δ , was omitted inadvertently from the Z variables associated with the adjustment cost parameter φ ; and (2) The Z variable, which denotes quasi-differences (see p. 362 of the article), was used incorrectly with some of the error terms involving ε_{mt} and ε_{nt} . The corrected Euler equations are shown below. All notation and equation numbering are the same as in our original article.

Gross production model: The Euler equation for input inventories is

$$E_t\{\gamma_2\phi Z_{\Delta M1} + \gamma_2 Z_{V1} - \gamma_3\phi Z_{Y1} + \tau(\gamma_2 + \phi)[M_t - \theta Y_t] + (\gamma_2 + \phi)\varepsilon_{mt}\} = 0. \quad (17)$$

The Euler equation for output inventories is

$$\begin{aligned} E_t\{(\gamma_1 - \zeta\gamma_3)Z_{Y1} + \varphi\Delta Z_{Y2} + \delta[N_t - \alpha X_t] + \gamma_4 Z_{W1} - \zeta Z_{V1} \\ - \tau\theta[M_t - \theta Y_t - \beta(M_{t+1} - \theta Y_{t+1})] - \phi\zeta Z_{\Delta M1} + Z_{\varepsilon_y 1} + \varepsilon_{nt}\} = 0, \end{aligned} \quad (18)$$

where $\zeta = \gamma_3/(\gamma_2 + \phi)$.

Value added model: The Euler equation for input inventories is

$$\begin{aligned} E_t\{\gamma\phi Z_{\Delta M1} + \varphi\phi\Delta Z_{\Delta M2} + \gamma Z_{V1} + \varphi\Delta Z_{V2} + \phi\gamma_4 Z_{W1} + \phi\gamma Z_{Y1} + \phi\varphi\Delta Z_{Y2} \\ + \tau(\gamma + \phi)(M_t - \theta Y_t) + \varphi\tau[\Delta M_t - \theta\Delta Y_t - \beta(\Delta M_{t+1} - \theta\Delta Y_{t+1})] \\ - \phi Z_{\varepsilon_y 1} + (\gamma + \phi)\varepsilon_{mt} + \varphi\Delta Z_{\varepsilon_m 1} + \tau_0\} = 0. \end{aligned} \quad (19)$$

The Euler equation for output inventories is

$$\begin{aligned} E_t\{\delta(\gamma + \phi)(N_t - \alpha X_t) + \delta\varphi(\Delta N_t - \alpha\Delta X_t) \\ - \tau(\gamma + \phi)[(1 + \theta)(M_t - \theta Y_t) - \theta\beta(M_{t+1} - \theta Y_{t+1})] \\ - \tau\varphi[(1 + \theta)(\Delta M_t - \theta\Delta Y_t) - \theta\beta(\Delta M_{t+1} - \theta\Delta Y_{t+1})] \\ + (\gamma + \phi)\varepsilon_{nt} + \varphi\Delta Z_{\varepsilon_n 1} - (\gamma + \phi)\varepsilon_{mt} - \varphi\Delta Z_{\varepsilon_m 1} + \delta_0\} = 0. \end{aligned} \quad (20)$$

\star PII of original article S0304-3932(01)00046-0

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