October 13,2005

Errata for Frees: *Longitudinal and Panel Data*

Page	Position	Change	To	Comments
xvi	line -8	Anocha Ariborg	Anocha Aribarg	
59	Exer 2.4 d, third line	$n_{1,i}$ and $n_{1,i}$	$n_{1,i}$ and $n_{2,i}$	
60	Exer 2.7, Table, bottom line	Slope (b_j)	Slope (b_i)	
63	Exer 2.14	Consider the compound symmetry model, where the error variance-covariance matrix is given by $\mathbf{R} = \sigma^2$ ((1-ρ) $\mathbf{I} + \rho\, \mathbf{J}$).	Consider a variable intercepts model with a compound symmetry error structure. Specifically, use the Section 2.5 model with $\mathbf{Z}_i = \mathbf{1}_i$ and with the variance-covariance matrix given by $\mathbf{R} = \sigma^2\left((1-\rho)\mathbf{I} + \rho\mathbf{J}\right)$.	
64	line 2	by showing that $\mathbf{R}^{-1} = \mathbf{I}$	by showing that $\mathbf{R}\,\mathbf{R}^{-1} = \mathbf{I}$	
69	line -9	time producing	time by producing	
69	line -7	multivariate	multiple	
69	line -5	YEAR.	YEAR. Here and throughout this problem, define YEAR = 1984 + TIME.	
121	Exer 3.13 c, parts (i), (ii), (iii)	YEAR	TIME	
121	Exer 3.13			omit part (b)
122	Exer 3.15, part a(v)			omit this. It is the same as a(iii).
122	Exer 3.15, part b(i)			Add: "To help with model stability, divide YPC by 1000."
128	line 6	the shrinkage estimator $\bar{y}_{i,s}$ has a smaller mean square error than $\bar{y}_{i,s}$.	the shrinkage estimator $\bar{y}_{i,s}$ has a smaller mean square error than $\bar{y}_i$.	
136	line -3	$\left(\sum_{i=1}^{n}\mathbf{X}_i'\mathbf{V}_i^{-1}\mathbf{X}_i\right)$	$\left(\sum_{i=1}^{n}\mathbf{X}_i'\mathbf{V}_i^{-1}\mathbf{X}_i\right)^{-1}$	
157	line 6	+ E($c_1 + c_2'$E $\mathbf{y}$ – E $w)^2$	+ ($c_1 + c_2'$E $\mathbf{y}$ – E $w)^2$	
186	line 15	Balagi and Li	Baltagi and Li	
272	line 14	$\mathbf{V}_i^{-1/2} = \sigma^{-1}\left(\mathbf{P}_i + \psi_i \mathbf{Q}_i\right)$	$\mathbf{V}_i^{-1/2} = \sigma^{-1}\left(\mathbf{Q}_i + \psi_i \mathbf{P}_i\right)$	
	line 15 and line 16	$\left(\mathbf{P}_i + \psi_i \mathbf{Q}_i\right)$	$\left(\mathbf{Q}_i + \psi_i \mathbf{P}_i\right)$	

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420	equation (A.5)	$+\ln\det\left(\mathbf{D}^{-1}+\mathbf{Z}'\mathbf{R}^{-1}\mathbf{Z}\right)^{-1}$	$-\ln\det\left(\mathbf{D}^{-1}+\mathbf{Z}'\mathbf{R}^{-1}\mathbf{Z}\right)^{-1}$	