J Geogr Syst (2018) 20:107–109
https://doi.org/10.1007/s10109-017-0262-1

ERRATUM

Erratum to: Housing price prediction: parametric versus semi-parametric spatial hedonic models

José-María Montero[1] · **Román Mínguez**[2] · **Gema Fernández-Avilés**[1]

Published online: 19 September 2017

Erratum to: J Geogr Syst DOI 10.1007/s10109-017-0257-y

In the original publication, in Table 1, there is a misprint in equations under models SDEM and SEM. The specification for the spatially correlated error term, $\mathbf{u}$, must be $\mathbf{u} = \lambda\mathbf{W}\mathbf{u} + \boldsymbol{\varepsilon}$. The correct versions of these equations are given below. The original version of the article has been updated (Table 1).

The online version of the original article can be found under doi:10.1007/s10109-017-0257-y.

✉ José-María Montero
jose.mlorenzo@uclm.es

[1] Department of Statistics, Faculty of Law and Social Sciences, University of Castilla-La Mancha, 45071 Toledo, Spain

[2] Department of Statistics, Faculty of Social Sciences, University of Castilla-La Mancha, 16071 Cuenca, Spain

Table 1 Competing hedonic house price models: parametric and semi-parametric model specifications

Model	Specification	Spatial lag			Spatial drift	Nonparametric functions of covariates
		Response	Covariates	Error		
Parametric models						
(i) Conventional a-spatial hedonic model						
HM	$\mathbf{y} = \alpha\mathbf{i}_n + \mathbf{X}\boldsymbol{\beta} + \boldsymbol{\varepsilon}$					
(iia) SAR models						
SLM	$\mathbf{y} = \rho\mathbf{W}\mathbf{y} + \alpha\mathbf{i}_n + \mathbf{X}\boldsymbol{\beta} + \boldsymbol{\varepsilon}$	x				
SDM	$\mathbf{y} = \rho\mathbf{W}\mathbf{y} + \alpha\mathbf{i}_n + \mathbf{X}\boldsymbol{\beta} + \mathbf{W}\mathbf{X}\boldsymbol{\theta} + \boldsymbol{\varepsilon}$	x	x			
SDEM	$\mathbf{y} = \alpha\mathbf{i}_n + \mathbf{X}\boldsymbol{\beta} + \mathbf{W}\mathbf{X}\boldsymbol{\theta} + \mathbf{u}, \quad \mathbf{u} = \lambda\mathbf{W}\mathbf{u} + \boldsymbol{\varepsilon}$		x	x		
(iib) SEM model						
SEM	$\mathbf{y} = \alpha\mathbf{i}_n + \mathbf{X}\boldsymbol{\beta} + \mathbf{u}, \quad \mathbf{u} = \lambda\mathbf{W}\mathbf{u} + \boldsymbol{\varepsilon}$			x		
Semi-parametric models						
(iii) PSSD-HM and PSSD-SAR models						
PSSD-HM	$\mathbf{y} = f(s_1, s_2) + \mathbf{X}\boldsymbol{\beta} + \boldsymbol{\varepsilon}$				x	
PSSD-SLM	$\mathbf{y} = f(s_1, s_2) + \rho\mathbf{W}\mathbf{y} + \mathbf{X}\boldsymbol{\beta} + \boldsymbol{\varepsilon}$	x			x	
PSSD-SDM	$\mathbf{y} = f(s_1, s_2) + \rho\mathbf{W}\mathbf{y} + \mathbf{X}\boldsymbol{\beta} + \mathbf{W}\mathbf{X}\boldsymbol{\theta} + \boldsymbol{\varepsilon}$	x	x		x	
(iv) GAM model						
GAM	$\mathbf{y} = \sum_{r=1}^{l} f_{1,r}\left(x_r^+\right) + \alpha\mathbf{i}_n + \mathbf{X}^*\boldsymbol{\beta} + \boldsymbol{\varepsilon}$					x
(v) GAM-SAR models						
GAM-SLM	$\mathbf{y} = \sum_{r=1}^{l} f_{1,r}\left(x_r^+\right) + \alpha\mathbf{i}_n + \rho\mathbf{W}\mathbf{y} + \mathbf{X}^*\boldsymbol{\beta} + \boldsymbol{\varepsilon}$	x				x
GAM-SDM	$\mathbf{y} = \sum_{r=1}^{l} f_{1,r}\left(x_r^+\right) + \sum_{r=1}^{l} f_{2,r}\left(\mathbf{W}x_r^+\right) + \alpha\mathbf{i}_n + \rho\mathbf{W}\mathbf{y} + \mathbf{X}^*\boldsymbol{\beta} + \mathbf{W}\mathbf{X}^*\boldsymbol{\theta} + \boldsymbol{\varepsilon}$	x	x			x

Table 1 continued

Model	Specification	Spatial lag			Spatial drift	Nonparametric functions of covariates
		Response	Covariates	Error		
(vi) PSSD-GAM model						
PSSD-GAM	$\mathbf{y} = f(s_1, s_2) + \sum_{r=1}^{l} f_{1,r}(x_r^+) + \mathbf{X}^*\boldsymbol{\beta} + \boldsymbol{\varepsilon}$				x	x
(vii) PSSD-GAM-SAR models						
PSSD-GAM-SLM	$\mathbf{y} = f(s_1, s_2) + \sum_{r=1}^{l} f_{1,r}(x_r^+) + \rho\mathbf{W}\mathbf{y} + \mathbf{X}^*\boldsymbol{\beta} + \boldsymbol{\varepsilon}$	x			x	x
PSSD-GAM-SDM	$\mathbf{y} = f(s_1, s_2) + \sum_{r=1}^{l} f_{1,r}(x_r^+) + \sum_{r=1}^{l} f_{2,r}(\mathbf{W}x_r^+) + \rho\mathbf{W}\mathbf{y} + \mathbf{X}^*\boldsymbol{\beta} + \mathbf{W}\mathbf{X}^*\boldsymbol{\theta} + \boldsymbol{\varepsilon}$	x	x		x	x