

**CORRECTION**

# Correction to "A penalized framework for distributed lag non-linear models" by Antonio Gasparrini, Fabian Scheipl, Ben Armstrong, and Michael G. Kenward; 73, 938–948, September 2017

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The authors would like to make a correction to the article entitled "A penalized framework for distributed lag non-linear models" published in *Biometrics* in the issue of September 2017. The two terms  $\mathbf{1}_{v_\ell}^T$  and  $\mathbf{1}_{v_x}^T$  in Equation (4), representing row vectors of 1's with length  $v_\ell$  and  $v_x$ , should be replaced by  $\mathbf{I}_{v_\ell}^T$  and  $\mathbf{I}_{v_x}^T$ , representing identity matrices of dimension  $v_\ell$  and  $v_x$ , respectively. The correct version of Equation (4) is therefore:

$$l_p(\boldsymbol{\eta}, \boldsymbol{\gamma}, \boldsymbol{\lambda}) = l(\boldsymbol{\eta}, \boldsymbol{\gamma}) - \frac{1}{2} \boldsymbol{\eta}^T (\boldsymbol{\lambda}_x (\mathbf{S}_x \otimes \mathbf{I}_{v_\ell}) + \boldsymbol{\lambda}_\ell (\mathbf{I}_{v_x} \otimes \mathbf{S}_\ell)) \boldsymbol{\eta}. \quad (1)$$

This correction does not affect the following equations reported in the paper, which are correct.

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