



Erratum

Erratum to: “Minimax convergence rates under the L^p -risk in the functional deconvolution model” [Statist. Probab. Lett. 79 (2009) 1568–1576]

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We correct a few misstatements and typographical errors in the paper.

- (a) The following statement that appeared in Section 2 (p. 1569, lines –9, –10):
 “Note that, for any $j_0 \geq 0$ and any $j \geq j_0$, any $f(\cdot) \in L^p(T)$ can be written as

$$f(t) = \sum_{k=0}^{2^{j_0}-1} \alpha_{j_0 k} \phi_{j_0 k}(t) + \sum_{j=j_0}^{\infty} \sum_{k=0}^{2^j-1} \beta_{jk} \psi_{jk}(t).”$$

should be replaced by:

“Note that, for any $j_0 \geq 0$ and any $j \geq j_0$, any $f(\cdot) \in L^2(T)$ can be written as

$$f(t) = \sum_{k=0}^{2^{j_0}-1} \alpha_{j_0 k} \phi_{j_0 k}(t) + \sum_{j=j_0}^{\infty} \sum_{k=0}^{2^j-1} \beta_{jk} \psi_{jk}(t),$$

where

$$\alpha_{j_0 k} = \int_T f(t) \phi_{j_0 k}(t) \quad \text{and} \quad \beta_{jk} = \int_T f(t) \psi_{jk}(t).”$$

- (b) The restriction “ $s > \max(0, 1/\rho - 1/2)$ ” that appeared in the statement of Theorem 4.1 and in Remark 4.1 (page 1572) should read “ $s > 1/\rho$ ”.
- (c) The following sentence that appeared in Remark 4.1 (page 1572, lines 16–18):
 “Also, the restriction $s > \max(0, 1/\rho - 1/2)$, $1 \leq \rho \leq \infty$, $1 \leq r \leq \infty$, that appears in the statement of Theorem 4.1, ensures that the corresponding Besov spaces are embedded in $L^2(T)$.”
 should be replaced by:
 “Also, the restriction $s > 1/\rho$, $1 \leq \rho \leq \infty$, $1 \leq r \leq \infty$, that appears in the statement of Theorem 4.1, ensures that the corresponding Besov spaces are embedded in the space of continuous functions defined on T (and, hence, belong to $L^p(T)$ for every $p \in [1, \infty)$.”
- (d) In the proof of Theorem 4.2 (page 1574, line –5), the phrase “Theorems 4.5.1 and 4.5.2” should read “Theorems 5.4.1 and 5.4.2”.

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