

## CORRECTIONS TO "SPEED OF CONVERGENCE IN NONPARAMETRIC KERNEL ESTIMATION OF A REGRESSION FUNCTION AND ITS DERIVATIVES"

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In the above titled paper (this Annals Vol. 36, No. 3, A (1984), pp. 455–462), we wish to correct eight errors, whose presence can make the reading of the paper somewhat difficult.

a) In Section 1, p. 455, the first sentence should read: The nonparametric regression problem is that of estimating the expectation  $g(x) = E(Y; x)$ , where  $x$  is an observed non-random point.

b) In Section 1, p. 456, the definitions should read:

(i)  $A_i = \{x : x_{i-1} < x \leq x_i\}$ ,  $A = \cup A_i$ ,  $i = 1, 2, \dots, n$ ,

(iii)  $\|f\| = \sup_{0 < x < 1} |f(x)|$ ,  $|||f||| = \sup_{x \in A} |f(x)|$ ,

(v) " $x_i^n \in OD$ " means that  $0 = x_0 < x_1 < \dots < x_n = 1 + h_n$  be the Ordered Design variables.

c) In Section 3, p. 458, the sentence before equation (1) should read: Let  $\mathcal{K}_{p,s}$  be the class of all real valued, bounded and continuous on  $(0, 1)$  functions  $K = K_{p,s}$ , vanishing outside of  $(0, 1)$  and such that.

d) In Section 3, p. 458, the first line of the Theorem 3.1 should read: If  $|||g^{(s)}||| < \infty$ , and

e) In Section 3, equation (5), the upper limit of the second integral should read:  $(x_n - x)/h_n$ .

f) In Section 3, p. 459, line 2, the term  $\|g^{(1)}\|$  should read:  $|||g^{(1)}|||$ .

g) In Section 3, p. 459, lines 3 and 4, disregard the sentence: Due to the compactness ... large.

h) In Section 3, p. 459, line 8, the term  $\|g^{(s)}\|$  should read:  $|||g^{(s)}|||$ .