

$$(4) \quad \sum_{j=1}^k F_n(X_{j-1,k})I_{A_j} \leq F_n(x) \leq \sum_{j=1}^k F_n(X_{jk} - 0)I_{A_j}$$

Inequality (6) should be replaced by

$$(6) \quad \begin{aligned} F(x | \mathfrak{F}) - F_n(x) &\leq \sum_{j=1}^k (F(X_{jk} - 0 | \mathfrak{F}) - F_n(X_{j-1,k}))I_{A_j} \\ &= \sum_{j=1}^k (F(X_{jk} - 0 | \mathfrak{F}) - F(X_{j-1,k} | \mathfrak{F}))I_{A_j} \\ &\quad + \sum_{j=1}^k (F(X_{j-1,k} | \mathfrak{F}) - F_n(X_{j-1,k}))I_{A_j} \\ &\leq \max_{1 \leq j \leq k} |F_n(X_{jk}) - F(X_{jk} | \mathfrak{F})| + 1/k. \end{aligned}$$

Inequality (7) should be replaced by

$$(7) \quad F(x | \mathfrak{F}) - F_n(x) \geq -\max_{1 \leq j \leq k} |F_n(X_{jk} - 0) - F(X_{jk} - 0 | \mathfrak{F})| - 1/k.$$

Inequality (8) should be replaced by

$$(8) \quad |F_n(x) - F(x | \mathfrak{F})| \leq 1/k + \max_{1 \leq j \leq k} \{ |F_n(X_{jk} - 0) - F(X_{jk} - 0 | \mathfrak{F})|, |F_n(X_{jk}) - F(X_{jk} | \mathfrak{F})| \}.$$

Immediately after inequality (8) the following sentence should be added: In a way similar to the proof on the bottom of page 829 one may easily verify that  $P[F_n(X_{jk} - 0) \xrightarrow{n} F(X_{jk} - 0 | \mathfrak{F})] = 1$ .

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### CORRECTION TO

### “ON THE THEORY OF BAN ESTIMATES”<sup>1</sup>

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I am greatly indebted to Dr. Lucien LeCam for calling to my attention an error in the proof of Theorem 1 of the paper cited in the title (*Ann. Math. Stat.* Vol. 30 (1959), pp. 185–191). The transition from (12) to (13) is in general not justified. Worse, the theorem itself is false in general, as can be shown with a counter example. In order to remedy the situation, the assumptions have to be strengthened. This can be done either on the distributions of the  $Z_n$ , or on the estimator  $\hat{\theta}$ . As an example of the first, if the  $Z_n$  have densities which (when normalized) converge a.e. to the limiting normal density, then the transition

<sup>1</sup> Work supported by the National Science Foundation.