## Conditional estimation of average on the basis of weighting data (Statistical Papers 45, 423-431, 2004) - Errata

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The correct versions of the expression (42), (44) and (45) are as follows:

$$D^{2}(Y|X < h) = 1 - \rho^{2} \left( \frac{hz(h)}{F_{x}(h)} + \left( \frac{z(h)}{F_{x}(h)} \right)^{2} \right). \tag{42}$$

$$D^{2}(\tilde{Y}_{U}(k)|0) = \frac{1}{4} \left( 1 - \frac{2}{\pi} \rho^{2} \right) \frac{2k - 1}{(k - 1)k} \approx \frac{1}{2k} \left( 1 - \frac{2}{\pi} \rho^{2} \right). \tag{44}$$

$$e = \frac{D^2(\bar{Y}_U(k)|0)}{D^2(\bar{Y}_U)} = 1 - \frac{2}{\pi}\rho^2.$$
 (45)

Moreover,  $D^2(\bar{Y}_U) = \frac{1}{2k}$  and the two sentences after the expression (45) should be as follows:

Let us note that e < 1, if  $\rho \neq 0$ . Hence, in the considered case the conditional estimator  $\bar{Y}_U(k)$  is more precise than the simple sample mean when the correlation coefficient is not equal to zero.