Erratum

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Non-convex Technologies and Cost Functions: Definitions, Duality and Nonparametric Tests of Convexity (*Journal of Economics* 81(2): 155–192)

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There is a minor typo on page 168 in line 2 of the proof of Lemma 1. The statement should read:

Equivalently, we get
$$\delta \leq \min_{n \in I(x_k)} \left(\frac{x_n}{x_{kn}}\right)$$
 and $\delta \geq \max_{m \in J(y_k)} \left(\frac{y_m}{y_{km}}\right)$ for $\delta \in \Gamma$.

There is a typographical error on the same page 168 in the closed form expressions for the radial input efficiency measure $E_i(x, y)$. The statement should read:

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Proposition 2: $E_i(x,y)$ on non-convex technologies $T^{NC,\Gamma}$ is computed:

$$E_{i}(x,y) = \begin{cases} (i) \min_{(x_{k},y_{k}) \in B(x,y,\Gamma)} \left\{ \max_{n \in I(x_{k})} \left(\frac{x_{kn}}{x_{n}} \right) \right\} & \text{for } \Gamma = VRS \\ (ii) \min_{(x_{k},y_{k}) \in B(x,y,\Gamma)} \left\{ \max_{m \in J(y_{k})} \left(\frac{y_{m}}{y_{km}} \right) \cdot \max_{n \in I(x_{k})} \left(\frac{x_{kn}}{x_{n}} \right) \right\} \\ & \text{for } \Gamma \in \{CRS, NIRS\} \\ (iii) \min_{(x_{k},y_{k}) \in B(x,y,\Gamma)} \left\{ \max\left(\max_{m \in J(y_{k})} \left(\frac{y_{m}}{y_{km}} \right), 1 \right) \cdot \max_{n \in I(x_{k})} \left(\frac{x_{kn}}{x_{n}} \right) \right\} \\ & \text{for } \Gamma = NDRS. \end{cases}$$

The same holds true in the proof of Proposition 2 on page 185, lines 3–4. It should read: since $x \ge x_k$, clearly $x_{kn} > 0 \Rightarrow x_n > 0$. Thus,

$$\max_{n \in I(x_k)} \left(\frac{x_{kn}}{x_n} \right) = \left[\min_{n \in I(x_k)} \left(\frac{x_n}{x_{kn}} \right) \right]^{-1}. \text{ Consequently, } E_i(x, y | S^{SD, \Gamma}(x_k, y_k)) = \min \left\{ \lambda : \lambda \ge \left[\min_{n \in I(x_k)} \left(\frac{x_n}{x_{kn}} \right) \right]^{-1}, \quad y_k \ge y \right\}.$$

Finally, on page 181, the second part of expression (10) must read:

$$AE_i^C(x, y, p) \stackrel{>}{\underset{<}{=}} AE_i^{NC}(x, y, p).$$

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