Corrigenda to “Invariance of Multiattribute Utility Functions under Shift Transformations”, 54 no. 1–2, 1–13

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Abstract. A few misprints are corrected.

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1. On page 7 in formula (4.13) it should be $m(u) \neq c$ for $u \in V_{(x_1, \dots, x_n)}$.
2. On page 9 in line 15 from above and on page 12, line 1 from above it should be “... and a not identically zero function ψ ...”.
3. On page 11 in line 4 from above it should be

$$\begin{aligned} & “U(P(x_2 - x_1, \dots, x_n - x_1), x_2 - x_1 + P(x_2 - x_1, \dots, x_n - x_1), \dots, \\ & \qquad \qquad \qquad x_n - x_1 + P(x_2 - x_1, \dots, x_n - x_1)) = \dots” ; \end{aligned}$$

a correct definition of ψ (lines 10–9 from below) reads as follows:

$$\begin{aligned} \psi(t_1, \dots, t_{n-1}) := & U(P(t_1, \dots, t_{n-1}), t_1 + P(t_1, \dots, t_{n-1}), \dots, t_{n-1} + P(t_1, \dots, t_{n-1})) \\ & - (a \circ P)(t_1, \dots, t_{n-1}); \end{aligned}$$

and in line 2 from below instead of V_d it should be V_D .

4. On page 12 in line 2 from above instead of V_D it should be V_D^c (but at the end of the next line $z \in V_D$ is correct); in line 11 from above it should be “... an arbitrary discontinuous exponential function”; and in line 13 from above it should be “ $U : \mathbb{R}^2 \rightarrow \mathbb{R}$ ”.

References

- [1] A. Abbas, J. Aczél and J. Chudziak, Invariance of Multiattribute Utility Functions under Shift Transformations, 54 (2009), no. 1–2, 1–13.

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