

# Corrections to *Entropy and Diversity*

Tom Leinster

Last updated 6 January 2023

This is a list of all the mistakes in *Entropy and Diversity: The Axiomatic Approach* of which I'm aware. I'd be grateful to hear of any other mistakes, however tiny: Tom.Leinster@ed.ac.uk.

Thanks to Lowenna Hooper, Ryosuke Iritani and Shashank Ravichandran for pointing out the mistakes below.

- Page 24, proof of Theorem 1.2.1, line 6: 'there is an integer  $\ell_r \geq 1$ ' should be 'there is an integer  $\ell_r \geq 0$ '. (Corrected on arXiv.)
- Page 164, proof of Lemma 5.5.4, line 3: ' $0 \leq p_1 - \delta \in \mathbb{Q}$ ' should be ' $0 \leq p_1 - \delta_1 \in \mathbb{Q}$ '. (Not yet corrected on arXiv.)
- Page 186, just after equation (6.8): 'we obtain a pushforward distribution  $\theta_{\mathbf{p}} \in \Delta_m$ ' should be 'we obtain a pushforward distribution  $\theta_{\mathbf{p}} \in \Delta_n$ '. (Corrected on arXiv.)
- Page 198, Example 6.3.16: '(0.478, 0.261, 0.261)' should be '(0.261, 0.261, 0.478)'. (Corrected on arXiv.)