CORRIGENDUM FOR
'PREDICTIVE INFERENCE UNDER EXCHANGEABILITY, AND THE IMPRECISE DIRICHLET MULTINOMIAL MODEL'

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ABSTRACT. This document lists errors in Reference [1] and provides corrections for them.

ERRORS AND THEIR CORRECTIONS

The definition of the set $\mathscr{V}^+(A)$ of Bernstein Positive polynomials on Σ_A that is stated in Section 5 is wrong. Instead, $\mathscr{V}^+(A)$ should be the set of those polynomials p on Σ_A for which there is some $n \geq \deg(p)$ such that $b_p^n > 0$. As a result, the argument that we use in Section 8 to derive Equations (14) and (15) is incorrect (the equations themselves are correct though). Another consequence of our incorrect definition of $\mathscr{V}^+(A)$ is that Theorem 4 is wrong: the vacuous inference system is not specific. Correct versions of Theorem 4 and of the argument that leads to Equations (14) and (15) can be found in Reference [2]—the journal version of Reference [1]—along with many other (additional) results.

REFERENCES

[1] Gert De Cooman, Jasper De Bock, and Marcio A. Diniz. Predictive inference under exchangeability, and the imprecise dirichlet multinomial model. In *Interdisciplinary Bayesian Statistics (Proceedings of EBEB 2014)*, pages 13–33. 2014.

[2] Gert De Cooman, Jasper De Bock, and Marcio Alves Diniz. Coherent predictive inference under exchangeability with imprecise probabilities. *Journal of Artificial Intelligence Research*, 52:1–95, 2015.