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Erratum for "Conditionals and Conditional Probabilities without Triviality"

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In [1], the proof of Lemma 2 is incorrect in the special case where $P(A) = 0$, since by the definition of $\rightarrow$ given in the proof of the Lemma, $P(A \rightarrow B) = 0$ for all B, and hence conditions (v) and (vi) of Theorem 1 cannot hold for this definition (I am grateful to Michael Nielsen for pointing this out). Lemma 2 should thus be restricted to the case where $P(A) > 0$. The proof of Theorem 1 can then be repaired by defining $A \rightarrow B$ to be equal to B when $P(A) = 0$. Given the stipulation in the paper that $P(B \mid A) = P(B)$ if A has null probability, the proof of Theorem 1 is then trivial in the case of null A.

Reference

[1] Pruss, A. "Conditionals and conditional probability without triviality," *Notre Dame Journal of Formal Logic*, vol. 60 (2019), no. 3, pp. 551–58. MR 3985626. DOI 10.1215/00294527-2019-0019. 501

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