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CORRECTION

CENTRAL LIMIT THEOREMS FOR GAUSSIAN POLYTOPES

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In our paper [1], we prove the central limit theorem for the number of j-dimensional faces, $f_j(K_n)$, $j = 0, 1, \ldots, d-1$, and for the volume, $\mathrm{Vol}(K_n)$, of the Gaussian random polytope K_n. Here, K_n is just the convex hull of n random and independent Gaussian vectors from R^d.

There is a nonmathematical (and very unfortunate) error on page 1595 of the paper. There, we say that Irene Hueter's proof of the central limit theorem for $f_0(K_n)$ in [2] and [3] contains a gap. This statement is false—her proof is correct. Our error is due to an unfortunate misunderstanding and the mixing up of two results from [2] and [3]; see also comments in [4]. So, besides apologies, this correction note is also an acknowledgment of priority: the first proof of the central limit theorem for $f_0(K_n)$, the number of vertices of the Gaussian random polytope, is due to Hueter in [3].

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