

Correction of typos in “On the Out-of-Sample Importance of Skewness and Asymmetric Dependence for Asset Allocation”

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Two small typos¹ crept into Appendix B of the published version of “On the Out-of-Sample Importance of Skewness and Asymmetric Dependence for Asset Allocation”. The normal copula density should have $\exp\{-\dots + \dots\}$ and the Clayton copula density should have parameter θ . These are corrected below:

Normal Copula

$$c_N(u, v; \rho) = \frac{1}{\sqrt{1-\rho^2}} \exp \left\{ -\frac{\Phi^{-1}(u)^2 + \Phi^{-1}(v)^2 - 2\rho\Phi^{-1}(u)\Phi^{-1}(v)}{2(1-\rho^2)} + \frac{\Phi^{-1}(u)^2 + \Phi^{-1}(v)^2}{2} \right\}$$
$$\rho \in (-1, 1)$$

Clayton Copula (Kimeldorf and Sampson Copula in Joe (1997))

$$c_C(u, v; \theta) = (1 + \theta)(uv)^{-\theta-1} \left(u^{-\theta} + v^{-\theta} - 1 \right)^{-2-1/\theta}$$
$$\theta \in [-1, \infty) \setminus \{0\}$$

¹Thanks to Steve Jewson for pointing these out.