Family	$C(u,v)$	Parameter range
Frank	$-\frac{1}{\theta}\ln\left[1+\frac{\left(e^{-\theta u}-1\right)\left(e^{-\theta v}-1\right)}{e^{-\theta}-1}\right]$	$(-\infty,\infty)$
Clayton	$\max\left(\left[u^{-\alpha}+v^{-\alpha}-1\right]^{-1/\alpha},0\right)$	$[-1,\infty)\setminus\{0\}$
Gumbel	$\exp\left(-\left[(-\ln u)^{\alpha}+(-\ln v)^{\alpha}\right]\right)^{1/\alpha}$	$[1,\infty)$
t copula	$\int_{-\infty}^{t_k^{-1}(u)}\int_{-\infty}^{t_k^{-1}(v)}\frac{1}{2\pi\sqrt{1-\rho^2}}\left[1+\frac{s^2-2\rho st+t^2}{k\left(1-\rho^2\right)}\right]^{-(k+2)/2}d_s\,d_t$	$(-\infty,\infty)$
Normal	$\int_{-\infty}^{\varphi^{-1}(u)}\int_{-\infty}^{\varphi^{-1}(v)}\frac{1}{2\pi\sqrt{1-\rho^2}}\exp\left[-\frac{s^2-2\rho st+t^2}{2\left(1-\rho^2\right)}\right]d_s\,d_t$	$(-\infty,\infty)$