

q -Metric	Data	Stat	Formula (Eq. #)
standard (Eq. 2)	$\mathcal{N}(0, 1)$	mean	$\left(\frac{2^q \Gamma\left(\frac{q+1}{2}\right) p}{\sqrt{\pi}} \right)^{1/q} \quad (38)$
	$\mathcal{N}(0, 1)$	variance	$\frac{4^q p}{q^2 \left(\frac{2^q \Gamma\left(\frac{1}{2} q + \frac{1}{2}\right) p}{\sqrt{\pi}} \right)^{2(1-\frac{1}{q})}} \left[\frac{\Gamma\left(q + \frac{1}{2}\right)}{\sqrt{\pi}} - \frac{\Gamma^2\left(\frac{1}{2} q + \frac{1}{2}\right)}{\pi} \right] \quad (38)$
	$\mathcal{U}(0, 1)$	mean	$\left(\frac{2p}{(q+2)(q+1)} \right)^{1/q} \quad (48)$
	$\mathcal{U}(0, 1)$	variance	$\frac{p}{q^2 \left(\frac{2p}{(q+2)(q+1)} \right)^{2(1-\frac{1}{q})}} \left[\frac{1}{(q+1)(2q+1)} - \left(\frac{2}{(q+2)(q+1)} \right)^2 \right] \quad (48)$
max-min normalized (Eq. 59)	$\mathcal{N}(0, 1)$	mean	$\frac{\mu_{D_{ij}^{(q)}}}{2\mu_{\max}^{(1)}(m)} \quad (93)$ <p>where $\mu_{D_{ij}^{(q)}}$ and $\mu_{\max}^{(1)}(m)$ are given by Eqs. 38 and 87, respectively.</p>
	$\mathcal{N}(0, 1)$	variance	$\frac{6\log(m)\sigma_{D_{ij}^{(q)}}^2}{\pi^2 + 24\left[\mu_{\max}^{(1)}(m)\right]^2 \log(m)} \quad (93)$ <p>where $\sigma_{D_{ij}^{(q)}}^2$ and $\mu_{\max}^{(1)}(m)$ are given by Eqs. 38 and 87, respectively.</p>
	$\mathcal{U}(0, 1)$	mean	$\frac{(m+1)\mu_{D_{ij}^{(q)}}}{m-1} \quad (101)$ <p>where $\mu_{D_{ij}^{(q)}}$ is given by Eq. 48</p>
	$\mathcal{U}(0, 1)$	variance	$\frac{(m+2)(m+1)^2\sigma_{D_{ij}^{(q)}}^2}{m^3 - m + 2} \quad (101)$ <p>where $\sigma_{D_{ij}^{(q)}}^2$ is given by Eq. 48</p>