

$q$ -Metric	Data	Stat	Formula (Eq. #)
standard (Eq. 1)	$\mathcal{N}(0, 1)$	mean	$\left(\frac{2^q \Gamma\left(\frac{q+1}{2}\right)p}{\sqrt{\pi}}\right)^{1/q} \quad (25)$
	$\mathcal{N}(0, 1)$	variance	$\frac{4^q p}{q^2 \left(\frac{2^q \Gamma\left(\frac{1}{2}q + \frac{1}{2}\right)p}{\sqrt{\pi}}\right)^{2(1-\frac{1}{q})}} \left[ \frac{\Gamma\left(q + \frac{1}{2}\right)}{\sqrt{\pi}} - \frac{\Gamma^2\left(\frac{1}{2}q + \frac{1}{2}\right)}{\pi} \right] \quad (26)$
	$\mathcal{U}(0, 1)$	mean	$\left(\frac{2p}{(q+2)(q+1)}\right)^{1/q} \quad (35)$
	$\mathcal{U}(0, 1)$	variance	$\frac{p}{q^2 \left(\frac{2p}{(q+2)(q+1)}\right)^{2(1-\frac{1}{q})}} \left[ \frac{1}{(q+1)(2q+1)} - \left(\frac{2}{(q+2)(q+1)}\right)^2 \right] \quad (36)$
max-min normalized (Eq. 55)	$\mathcal{N}(0, 1)$	mean	$\frac{\mu_{D_{ij}^{(q)}}}{2\mu_{\max}^{(1)}(m)} \quad (89)$ <p>where <math>\mu_{D_{ij}^{(q)}}</math> and <math>\mu_{\max}^{(1)}(m)</math> are given by Eqs. 25 and 83, respectively.</p>
	$\mathcal{N}(0, 1)$	variance	$\frac{6\log(m)\sigma_{D_{ij}^{(q)}}^2}{\pi^2 + 24\left[\mu_{\max}^{(1)}(m)\right]^2 \log(m)} \quad (89)$ <p>where <math>\sigma_{D_{ij}^{(q)}}^2</math> and <math>\mu_{\max}^{(1)}(m)</math> are given by Eqs. 25 and 83, respectively.</p>
	$\mathcal{U}(0, 1)$	mean	$\frac{(m+1)\mu_{D_{ij}^{(q)}}}{m-1} \quad (97)$ <p>where <math>\mu_{D_{ij}^{(q)}}</math> is given by Eq. 35</p>
	$\mathcal{U}(0, 1)$	variance	$\frac{(m+2)(m+1)^2\sigma_{D_{ij}^{(q)}}^2}{m^3 - m + 2} \quad (97)$ <p>where <math>\sigma_{D_{ij}^{(q)}}^2</math> is given by Eq. 36</p>