***q*-Metric**	**Data**	**Stat**	**Formula (Eq. #)**
max-min normalized ($\boldsymbol{L_1}$)	$\mathcal{N}(0,1)$	mean	$\boxed{\dfrac{p}{\sqrt{\pi}\mu_{\max}^{(1)}(m)}}$ (**93**) where $\mu_{\max}^{(1)}(m) = \dfrac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\dfrac{1}{m}\right)$
		variance	$\boxed{\dfrac{12p(\pi-2)\log(m)}{\pi\left(\pi^2+24\left[\mu_{\max}^{(1)}(m)\right]^2\log(m)\right)}}$ (**93**) where $\mu_{\max}^{(1)}(m) = \dfrac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\dfrac{1}{m}\right)$
	$\mathcal{U}(0,1)$	mean	$\dfrac{(m+1)p}{3(m-1)}$ (**101**)
		variance	$\dfrac{(m+2)(m+1)^2p}{18(m^3-m+2)}$ (**48**)
max-min normalized ($\boldsymbol{L_2}$)	$\mathcal{N}(0,1)$	mean	$\boxed{\dfrac{\sqrt{2p-1}}{2\mu_{\max}^{(1)}(m)}}$ (**93**) where $\mu_{\max}^{(1)}(m) = \dfrac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\dfrac{1}{m}\right)$
		variance	$\boxed{\dfrac{6\log(m)}{\pi^2+24\left[\mu_{\max}^{(1)}(m)\right]^2\log(m)}}$ (**93**) where $\mu_{\max}^{(1)}(m) = \dfrac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\dfrac{1}{m}\right)$
	$\mathcal{U}(0,1)$	mean	$\sqrt{\dfrac{p}{6} - \dfrac{7}{120}\left(\dfrac{m+1}{m-1}\right)}$ (**101**)
		variance	$\dfrac{7(m+2)(m+1)^2}{120(m^3-m+2)}$ (**101**)