***q*-Metric**	**Data**	**Stat**	**Formula (Eq. #)**
max-min normalized $\boldsymbol{L_1}$ (**Eq. 55**)	$\mathcal{N}(0,1)$	mean	$\frac{p}{\sqrt{\pi}\mu_{\max}^{(1)}(m)}$ (**98**) where $\mu_{\max}^{(1)}(m) = \frac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\frac{1}{m}\right)$
		variance	$\frac{12p(\pi-2)\log(m)}{\pi\left(\pi^2+24\left[\mu_{\max}^{(1)}(m)\right]^2\log(m)\right)}$ (**99**) where $\mu_{\max}^{(1)}(m) = \frac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\frac{1}{m}\right)$
	$\mathcal{U}(0,1)$	mean	$\frac{(m+1)p}{3(m-1)}$ (**100**)
		variance	$\frac{(m+2)(m+1)^2p}{18(m^3-m+2)}$ (**100**)
max-min normalized $\boldsymbol{L_2}$ (**Eq. 55**)	$\mathcal{N}(0,1)$	mean	$\frac{\sqrt{2p-1}}{2\mu_{\max}^{(1)}(m)}$ (**102**) where $\mu_{\max}^{(1)}(m) = \frac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\frac{1}{m}\right)$
		variance	$\frac{6\log(m)}{\pi^2+24\left[\mu_{\max}^{(1)}(m)\right]^2\log(m)}$ (**103**) where $\mu_{\max}^{(1)}(m) = \frac{\log(\log(2))}{\Phi^{-1}\left(\frac{1}{m}\right)} - \Phi^{-1}\left(\frac{1}{m}\right)$
	$\mathcal{U}(0,1)$	mean	$\sqrt{\frac{p}{6} - \frac{7}{120}\left(\frac{m+1}{m-1}\right)}$ (**104**)
		variance	$\frac{7(m+2)(m+1)^2}{120(m^3-m+2)}$ (**105**)