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