| **Equation** | **Data** | **Stat** | **Formula** |
|---|---|---|---|
| 39 | $\mathcal{N}(0,1)$ | mean | $\left(\frac{2^q\Gamma\left(\frac{q+1}{2}\right)}{\sqrt{\pi}}\right)^{1/q}$ |
| 39 | $\mathcal{N}(0,1)$ | variance | $\frac{4^q p}{q^2\left(\frac{2^q\Gamma\left(\frac{1}{2}q+\frac{1}{2}\right)}{\sqrt{\pi}}p\right)^{2\left(1-\frac{1}{q}\right)}}\left[\frac{\Gamma\left(q+\frac{1}{2}\right)}{\sqrt{\pi}}-\frac{\Gamma^2\left(\frac{1}{2}q+\frac{1}{2}\right)}{\pi}\right]$ |
| 49 | $\mathcal{U}(0,1)$ | mean | $\left(\frac{2p}{(q+2)(q+1)}\right)^{1/q}$ |
| 49 | $\mathcal{U}(0,1)$ | variance | $\frac{p}{q^2\left(\frac{2p}{(q+2)(q+1)}\right)^{2\left(1-\frac{1}{q}\right)}}\left[\frac{1}{(q+1)(2q+1)}-\left(\frac{2}{(q+2)(q+1)}\right)^2\right]$ |
| 94 | $\mathcal{N}(0,1)$ | mean | $\boxed{\frac{\mu_{D_{ij}^{(q)}}}{2\mu_\alpha^{(1)}(m)}}$ where $\mu_{D_{ij}^{(q)}}$ and $\mu_\alpha^{(1)}(m)$ are given by Eqs. 39 and 88, respectively. |
| 94 | $\mathcal{N}(0,1)$ | variance | $\boxed{\frac{6\log(m)\sigma^2_{D_{ij}^{(q)}}}{\pi^2+24\left[\mu_\alpha^{(1)}(m)\right]^2\log(m)}}$ where $\sigma^2_{D_{ij}^{(q)}}$ and $\mu_\alpha^{(1)}(m)$ are given by Eqs. 39 and 88, respectively. |
| 102 | $\mathcal{U}(0,1)$ | mean | $\boxed{\frac{(m+1)\mu_{D_{ij}^{(q)}}}{m-1}}$ where $\mu_{D_{ij}^{(q)}}$ is given by Eq. 49 |
| 102 | $\mathcal{U}(0,1)$ | variance | $\boxed{\frac{(m+2)(m+1)^2\sigma^2_{D_{ij}^{(q)}}}{m^3-m+2}}$ where $\sigma^2_{D_{ij}^{(q)}}$ is given by Eq. 49 |