

ERRATUM

The best fitting distribution of annual maximum rainfall in Peninsular Malaysia based on methods of L-moment and LQ-moment

Wan Zawiah Wan Zin · Abdul Aziz Jemain · Kamarulzaman Ibrahim

Published online: 18 November 2008
 © Springer-Verlag 2008

Erratum to: Theor Appl Climatol
DOI 10.1007/s00704-008-0044-2

Unfortunately errors occurred in Table 1 and the second equation in Section 3.3 (equation for trimean-based estimator). The corrected table and equation are given below:

Table 1 List of distributions used in this study

No.	Distribution	Probability density function, $f(x)$	Quantile function, $Q(F)$
1	GEV	$\frac{1}{\alpha} \left\{ 1 - \kappa \frac{(x-\varepsilon)}{\alpha} \right\}^{\frac{1}{\kappa}-1} \exp \left[- \left\{ 1 - \kappa \frac{(x-\varepsilon)}{\alpha} \right\}^{\frac{1}{\kappa}} \right]$	$\varepsilon + \frac{\alpha}{\kappa} [1 - \{-\ln(F)\}^\kappa]$
2	GPD	$\frac{1}{\alpha} \left\{ 1 - \kappa \frac{(x-\varepsilon)}{\alpha} \right\}^{\frac{1}{\kappa}-1}$	$\varepsilon + \frac{\alpha}{\kappa} \{1 - (1-F)^\kappa\}$
3	GLD	$\frac{1}{\alpha} \exp\left(\frac{x-\varepsilon}{\alpha}\right) \left\{ 1 + \exp\left(\frac{x-\varepsilon}{\alpha}\right) \right\}^{-2}$	$\varepsilon + \frac{\alpha}{\kappa} \left\{ 1 - \left(\frac{1-F}{F}\right)^\kappa \right\}$
4	LN3	$\frac{\exp\left\{-\log\left\{1 - \kappa \frac{(x-\varepsilon)}{\alpha}\right\}\right\} - \frac{1}{2} \left[\frac{1}{\kappa} \log\left\{1 - \kappa \frac{(x-\varepsilon)}{\alpha}\right\}\right]^2}{\alpha \sqrt{2\pi}}$	$\varepsilon + \exp(\alpha) \exp\{\kappa \Phi^{-1}(F)\}$
5	P3	$\frac{1}{\alpha \Gamma(\kappa)} \left(\frac{x-\varepsilon}{\alpha}\right)^{\kappa-1} \exp\left(-\frac{x-\varepsilon}{\alpha}\right)$	$\varepsilon + \frac{4\alpha}{\kappa^2} \left\{ 1 + \frac{\kappa \Phi^{-1}(F)}{6} - \frac{\kappa^2}{36} \right\}^3 - \frac{2}{\kappa}$

Equation for trimean-based estimator (in Section 3.3)

$$\frac{1}{4} Q_{r-k}(1/4) + \frac{1}{2} Q_{r-k:r}(1/2) + \frac{1}{4} Q_{r-k:r}(3/4)$$

The online version of the original article can be found at <http://dx.doi.org/10.1007/s00704-008-0044-2>.

W. Z. Wan Zin (✉) · A. A. Jemain · K. Ibrahim
 School of Mathematical Sciences, Faculty of Science
 and Technology, National University of Malaysia,
 43600 Bangi, Selangor, Malaysia
 e-mail: w_zawiah@ukm.my