



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_10890
Title of the Manuscript:	Estimation of Pareto Parameters Using a Fuzzy Least-Squares Method and Other Known Techniques with a Comparison
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	All the equations must be numbered to recognize.	
<u>Minor</u> REVISION comments	1- All parameters of equation (1) and others must be defined like α, κ and etc... and 2- Also about these symbols L and TL-LQ-moments..... 3- In the special case (The TL-Moments with the first trimmed, $s=t=1$) and according to equation (4) for the Pareto Distribution the λ_3 must be $\lambda_3^{(1)} = \frac{10}{3} k \left[2B\left(4, 2 - \frac{1}{\alpha}\right) - 3B\left(3, 3 - \frac{1}{\alpha}\right) + 2B\left(2, 4 - \frac{1}{\alpha}\right) \right]$ 4- - In the special case (The TL-Moments with the first trimmed, $s=t=1$) and according to equation (5) for the Pareto Distribution the λ_4 must be $\lambda_4^{(1)} = \frac{15}{2} k \left[B\left(5, 2 - \frac{1}{\alpha}\right) - 4B\left(4, 3 - \frac{1}{\alpha}\right) + 4B\left(3, 4 - \frac{1}{\alpha}\right) + B\left(2, 5 - \frac{1}{\alpha}\right) \right]$ 4- Also in the special case (The L-Moments with the first trimmed , $s=t=0$) and according to the eq. (4) for the Pareto Distribution the λ_3 must be $\lambda_3 = k \left[B\left(3, 1 - \frac{1}{\alpha}\right) - 2B\left(2, 2 - \frac{1}{\alpha}\right) + B\left(1, 3 - \frac{1}{\alpha}\right) \right]$	



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	5- In the section LQ- Moments and for the functions ξ_1, ξ_2, ξ_3 and ξ_4 change all $\frac{1}{\alpha}$ to $\frac{1}{d}$ or change the function from d to α. 6- Also change ξ_2 to this form $\xi_2 = \frac{k}{8} \left[2 \left(1 - (0.866) \right)^{\frac{-1}{\alpha}} - 2 \left(1 - (0.707) \right)^{\frac{-1}{\alpha}} + \left(1 - (0.293) \right)^{\frac{-1}{\alpha}} - \left(1 - (0.134) \right)^{\frac{-1}{\alpha}} \right]$ 7- Also change ξ_2 to this form $\hat{\xi}_2 = \frac{\hat{k}}{8} \left[2 \left(1 - (0.866) \right)^{\frac{-1}{\hat{\alpha}}} - 2 \left(1 - (0.707) \right)^{\frac{-1}{\hat{\alpha}}} + \left(1 - (0.293) \right)^{\frac{-1}{\hat{\alpha}}} - \left(1 - (0.134) \right)^{\frac{-1}{\hat{\alpha}}} \right]$	
<u>Optional/General</u> comments		

Reviewer Details:

Name:	Salahaddin Abdul Qader Ahmed
Department, University & Country	Department of Physics, Faculty of Science and Science Education, University of Sulaimani-Iraq