



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2014_BJAST_10707
Title of the Manuscript:	Efficient Frequent Pattern Mining using Auto-Associative Memory Neural Network
Type of the Article	Original Research 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.

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	7. It is mentioned in p.4 that a hebbian learning rule is adopted to train the CMM. What are the other feasible alternatives? What are the advantages of adopting this particular method over others in this case? How will this affect the results? More details should be furnished. 8. The discussion section in the present form is relatively weak and should be strengthened with more details and justifications. 9. Some key parameters are not mentioned. The rationale on the choice of the particular set of parameters should be explained. Have the authors experimented with other sets of values? What are the sensitivities of these parameters on the results? More details should be provided. 10. Some assumptions are stated in various sections. More justifications should be provided on these assumptions. Evaluation on how they will affect the results should be made. 11. Moreover, the manuscript could be substantially improved by relying and citing more on recent literatures about real-life applications of various contemporary soft computing techniques in different fields such as the followings:. ● Huang, Z.K., et al., "A New Image Thresholding Method Based on Gaussian Mixture Model," <i>Applied Mathematics and Computation</i> 205 (2): 899-907 2008. ● Taormina, R., et al., "Artificial Neural Network simulation of hourly groundwater levels in a coastal aquifer system of the Venice lagoon", <i>Engineering Applications of Artificial Intelligence</i> 25 (8): 1670-1676 2012. ● Wu, C.L., et al., "Predicting monthly streamflow using data-driven models coupled with data-	More details are furnished. The discussion section is revised and strengthened with more details. Key parameters and their role and importance are added in detail. Justification is given for assumptions. The manuscript is updated and cited with these real life applications.
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	preprocessing techniques," <i>Water Resources Research</i> 45, W08432, doi:10.1029/2007WR006737, 2009. ● Zhang, J., et al., "Multilayer Ensemble Pruning via Novel Multi-sub-swarm Particle Swarm Optimization," <i>Journal of Universal Computer Science</i> 15 (4): 840-858 2009. ● Cheng, C.T., et al., "Long-term prediction of discharges in Manwan Reservoir using artificial neural network models," <i>Lecture Notes in Computer Science</i> 3498: 1040-1045 2005. ● Chau, K.W., "Application of a PSO-based neural network in analysis of outcomes of construction claims," <i>Automation in Construction</i> 16 (5): 642-646 2007. 12. Some inconsistencies and minor errors that needed attention are: ● In line 47 of p.2 "...as a specialize area of..." should read "...as a specialized area of..."; ● In line 228 of p.7 "...frequent 1-temsets and frequent..." should read "...frequent 1-itemsets and frequent..."; 13. In the conclusion section, the limitations of this study, suggested improvements of this work and future directions should be highlighted.	Modifications have been done. The conclusion section is revised with suggested improvements of this work and future directions.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		