



SDI Review Form 1.6

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_66791
Title of the Manuscript:	A Detailed Analysis of Benchmark and Recent Datasets for Network Intrusion Detection System
Type of the Article	Review 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:

(<http://www.sciencedomain.org/journal/10/editorial-policy>)



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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)
Compulsory REVISION comments	<ol style="list-style-type: none"> 1. Authors need to re-write the Abstract in more meaningful way example (Problem definition=> How existing methods are lacking => proposed solution => Outcome. 2. Major contribution of the papers looks very weak, authors need to elaborate the major contribution at end of introduction section. 3. Related work section need to revised authors need to include these state of the art papers of intrusion detection special draw the table in related work section Barbhuiya, S., Kilpatrick, P., & Nikolopoulos, D. S. (2020, January). DroidLight: Lightweight Anomaly-based Intrusion Detection System for Smartphone Devices. In Proceedings of the 21st International Conference on Distributed Computing and Networking (pp. 1-10). Bagui, Sikha, and Kunqi Li. "Resampling imbalanced data for network intrusion detection datasets." Journal of Big Data 8.1 (2021): 1-41. Khan, M. A., Karim, M., & Kim, Y. (2019). A scalable and hybrid intrusion detection system based on the convolutional-LSTM network. Symmetry, 11(4), 583. Cordero, Carlos Garcia, Emmanouil Vasilomanolakis, Aidmar Wainakh, Max Mühlhäuser, and Simin Nadjm-Tehrani. "On generating network traffic datasets with synthetic attacks for intrusion detection." ACM Transactions on Privacy and Security (TOPS) 24, no. 2 (2021): 1-39. Khan, M.A. and Kim, J., 2020. Toward Developing Efficient Conv-AE-Based Intrusion Detection System Using Heterogeneous Dataset. Electronics, 9(11), p.1771. 4. Authors miss experiment setup, without experimental setup results are doubtful please explain experimental environment in detail. Experimental Evaluation. 5. Conclusion: point out what are you done. -is there possibility to use the proposed method for other problems? Conclusion part should be revised in concrete way. 	
Minor REVISION comments	<ol style="list-style-type: none"> 1. As intrusion detection datasets are most of the time imbalance, authors did not mention the data imbalance in the manuscript. 2. English should be revised, there are a lot grammatically and type mistakes authors need to proofread. 3. Please add sentences about future analysis 	
Optional/General comments	<ol style="list-style-type: none"> 1. In my opinion Title of the paper is very lengthy not suitable and interesting for readers. Therefor authors should need to change the Title of the paper. Few suggestions for Title. A good title should not exceed 8~10words. The title should be clear and informative and should reflect the aim and approach of the work. Fewest possible words that describe the contents of the paper. Avoid waste words like "Studies on", or "Investigations on", "effects of", "comparison of", or "a case of". Use specific terms rather than general. Watch your word order and syntax. Avoid abbreviations and jargon Change Title more interesting for the readers. 	



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PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	<i>Muhammad Ashfaq Khan</i>
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