

CORRECTION

Correction: A trustworthy hybrid model for transparent software defect prediction: SPAM-XAI

Mohd Mustaqeem, Suhel Mustajab, Mahfooz Alam, Fathe Jeribi, Shadab Alam, Mohammed Shuaib

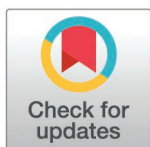
The citations in [Table 12](#) [1] are incorrect. Additionally, the articles cited as References 59 and 60 were erroneously included and should not be cited in the article. An updated [Table 12](#) is provided with correct citations.

There is an error in the ninth sentence of the second paragraph of the Introduction section; the technique used in Reference 5 is erroneously referred to as “Microtext-Deep Neural Networks”. The correct technique is “Multi-Task Deep Neural Networks”.

The authors apologize for the errors in the published article.

Reference

1. Mustaqeem M, Mustajab S, Alam M, Jeribi F, Alam S, Shuaib M. A trustworthy hybrid model for transparent software defect prediction: SPAM-XAI. PLoS One. 2024;19(7):e0307112. <https://doi.org/10.1371/journal.pone.0307112> PMID: [38990978](https://pubmed.ncbi.nlm.nih.gov/38990978/)



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Citation: Mustaqeem M, Mustajab S, Alam M, Jeribi F, Alam S, Shuaib M (2026) Correction: A trustworthy hybrid model for transparent software defect prediction: SPAM-XAI. PLoS One 21(2): e0343580. <https://doi.org/10.1371/journal.pone.0343580>

Published: February 24, 2026

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Table 12. Analysis of previously developed models with SPAM-XAI model.

Dataset	Models	Precision	Recall	F-m	Accuracy	AU-ROC
CM1	Naïve Bayes [2]	86.20	78.65	34.09	64.57	70.0
	Random Forest [2]	71.10	71.29	32.17	60.98	76.0
	C4.5 Miner [45]	74.91	74.66	27.68	66.71	53.0
	Immunos [45]	73.65	75.02	30.99	66.03	63.0
	ANN-ABC [45]	75.00	81.00	33.00	68.00	77.0
	HSOM [45]	70.12	78.96	30.65	72.37	80.0
	SVM [45]	81.20	79.08	31.27	78.69	50.0
	Majority vote [45]	79.80	80.00	30.46	77.01	81.0
	AntMiner+ [45]	80.65	78.88	30.90	73.43	84.0
	ADBBO-RBFNN [45]	81.92	80.96	29.71	82.57	90.0
	NN GAPO + B [2]	—	—	—	74.40	—
	DT [2]	83.30	74.23	81.20	73.49	37.0
	KNN [2]	83.90	84.70	84.30	—	47.0
	MLP [2]	90.40	95.50	92.90	86.73	63.4
	HybridModel (PC-SVM) [2]	96.10	99.00	97.00	95.20	—
	Hybrid approach (GA-DNN) [2]	80.32	97.32	89.09	97.50	—
	GWOFS-MLP Model [2]	98.27	86.36	91.93	92.72	81.60
	SPAM-XAI model	95.00	96.00	95.00	98.20	91.0
PC1	Naïve Bayes [2]	94.70	87.98	97.20	60.00	58.79
	Random Forest [2]	95.00	82.31	96.00	63.98	85.00
	C4.5 Miner [45]	76.58	81.76	34.05	62.18	68.0
	Immunos [45]	81.99	79.66	36.92	61.73	64.0
	ANN-ABC [45]	89.00	83.00	33.00	65.00	—
	HSOM [45]	86.79	85.67	35.67	95.87	—
	SVM [45]	80.98	86.59	98.00	92.45	50.0
	Majority vote [45]	84.61	84.37	30.98	92.50	—
	AntMiner+ [45]	89.34	87.12	26.11	91.85	—
	ADBBO-RBFNN [45]	90.89	89.33	20.24	—	—
	DT [2]	93.00	99.00	96.00	92.87	65.61
	KNN [2]	—	—	28.60	94.90	82.90
	MLP [2]	—	—	46.20	96.56	77.90
	DNN [2]	94.00	99.00	97.00	93.00	—
	GWOFS-MLP Model [2]	99.24	95.65	97.40	95.03	84.00
	SPAM-XAI model	97.01	99.00	98.00	97.51	79.0

<https://doi.org/10.1371/journal.pone.0343580.t012>