

Reverse Light On Attack

Model	Sample Size	F1 Score	FP	Attack	Epsilon	F1 Score (Adv)	FP (Adv)	ASR
DNN	15195	0.0%	0	FGSM	1	0.0%	0	0.0%
DNN	15195	0.0%	0	FGSM	5	0.0%	0	0.0%
DT	15195	98.9%	0	FGSM	1	10.9%	873	5.7%
DT	15195	98.9%	0	FGSM	5	10.8%	867	5.7%
RF	15195	99.0%	0	FGSM	1	10.1%	804	5.3%
RF	15195	99.0%	0	FGSM	5	5.2%	402	2.6%
ET	15195	98.9%	0	FGSM	1	86.4%	11541	76.0%
ET	15195	98.9%	0	FGSM	5	15.7%	1296	8.5%
XGBoost	15195	98.9%	0	FGSM	1	5.2%	402	2.6%
XGBoost	15195	98.9%	0	FGSM	5	5.2%	402	2.6%
DNN	15195	0.0%	0	BIM	1	0.0%	0	0.0%
DNN	15195	0.0%	0	BIM	5	0.0%	0	0.0%
DT	15195	98.9%	0	BIM	1	14.5%	1185	7.8%
DT	15195	98.9%	0	BIM	5	14.7%	1206	7.9%
RF	15195	99.0%	0	BIM	1	16.6%	1377	9.1%
RF	15195	99.0%	0	BIM	5	16.7%	1380	9.1%
ET	15195	98.9%	0	BIM	1	86.4%	11559	76.1%
ET	15195	98.9%	0	BIM	5	86.8%	11646	76.7%
XGBoost	15195	98.9%	0	BIM	1	9.8%	783	5.2%
XGBoost	15195	98.9%	0	BIM	5	10.6%	852	5.6%
DNN	15195	0.0%	0	PGD	1	0.0%	0	0.0%
DNN	15195	0.0%	0	PGD	5	0.0%	0	0.0%
DT	15195	98.9%	0	PGD	1	10.2%	817	5.4%
DT	15195	98.9%	0	PGD	5	11.1%	895	5.9%
RF	15195	99.0%	0	PGD	1	14.0%	1147	7.6%
RF	15195	99.0%	0	PGD	5	5.3%	413	2.7%
ET	15195	98.9%	0	PGD	1	86.0%	11453	75.4%
ET	15195	98.9%	0	PGD	5	54.2%	5648	37.2%
XGBoost	15195	98.9%	0	PGD	1	4.4%	339	2.2%
XGBoost	15195	98.9%	0	PGD	5	8.5%	671	4.4%