CITATION

Please cite the sources below if you are referencing any of the HAI datasets, performance matric, and competitions. Please do not hesitate to share your results with us.

Datasets

[HAI 22.04] Hyeok-Ki Shin, Woomyo Lee, Jeong-Han Yun and Byung-Gil Min, "ICS security dataset", 2022. Available at:

GitHub: https://github.com/icsdataset/hai

Kaggle: https://kaggle.com/icsdataset/hai-security-dataset

[HAI 21.03] Hyeok-Ki Shin, Woomyo Lee, Jeong-Han Yun and Byung-Gil Min, "Two ICS Security Datasets and Anomaly Detection Contest on the HIL-based Augmented ICS Testbed", In Proceedings of Cyber Security Experimentation and Test (CSET`21), Association for Computing Machinery, pp 36-40, 2021.

[HAI 20.07] Hyeok-Ki Shin, Woomyo Lee, Jeong-Han Yun and Hyoungchun Kim, "HAI 1.0: HIL-based Augmented ICS Security Dataset," In Proceedings of the 13th USENIX Conference on Cyber Security Experimentation and Test (CSET`20), USENIX Association, 2020.

Performance Analysis

[eTaPR] Won-Seok Hwang, Jeong-Han Yun, Jonguk Kim, and Byung Gil Min, "Do you know existing accuracy metrics overate time-series anomaly detection?", In Proceedings of the 37th ACM/SIGAPP Symposium on Applied Computing (SAC`22), Association for Computing Machinery, pp403-412, 2022.

GitHub: https://github.com/saurf4ng/eTapR

[DFG] Seungoh Choi, Hyeok-Ki Shin, Woomyo Lee, Jeong-Han Yun and Byung-Gil Min, "Dataflow-based Control Process Identification for ICS Dataset Development", In Proceedings of the 15th Workshop on Cyber Security Experimentation and Test (CSET`22), Association for Computing Machinery, pp.54-58, 2022.

Competitions/Baseline

[HAICon] We held an AI contest, namely HAICon, to revitalized research, discover ideas, and improve

HAI dataset more. You can find the winner's codes and baseline codes on the official website below.

HAICon 2021: https://dacon.io/en/competitions/official/235757/codeshare

HAICon 2020: https://dacon.io/en/competitions/official/235624/codeshare

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