

Table 1. Sensors and Actuators in the SWaT Dataset

Stage	Sensor	Actuator
1	LIT101, FIT101	MV101, P101
2	AIT202	MV201
3	LIT301, FIT301, DPIT301	MV201, MV302, P301
4	LIT401, FIT401	P401
5	FIT501, FIT502, AIT501	MV501, P501
6	-	-

Table 4. Statistics of the SWaT Dataset

Date	Number of Normal Samples	Number of Attack Samples
Day 1 - Day 7	496800	0
Day 8 - Day 11	396019	53900

Table 5. Sensors and Actuators in the WADI Dataset

Stage	Sensor	Actuator
1	1-LIT-001, 1-FS-001	1-P-005
2A	2-LT-001, 2-PIT-001	2-MV-001 , 2-MV-002 , 2-MV-003 , 2-MV-004 , 2-MV-005 , 2-MV-006 , 2-P-003 , 2-P-004 , 2-FS-001 , 2-FS-002
2B	2-FQ-101, 2-FQ-201, 2-FQ-301, 2-FQ-401, 2-FQ-501, 2-FQ-601, 2-PIT-002	2-MCV-101, 2-MCV-201, 2-MCV-301, 2-MCV-401, 2-MCV-501, 2-MCV-601, 2-MV-101 , 2-MV-201 , 2-MV-301 , 2-MV-401 , 2-MV-501 , 2-MV-601
3	3-LT-001, 3-FS-001, 3-FS-002	3-MV-002 , 3-P-003 , 3-P-004

Table 6. Attack Description of the WADI Dataset

Attack	Description
1	1-MV-001 is open while it should be closed
2	1-FIT-001 reading is tampered with
3, 4	1-AIT-00T reading is tampered with
5	2-MCV-101 to 2-MCV-601 are closed while they should be open
6	2-MCV-101 and 2-MCV-201 are open while they should be closed
7	1-AIT-002 reading is tampered with and open 2-MV-003 while it should be closed
8, 11, 12	2-MCV-007 is open while it should be closed
9	1 -P-006 is turned ON while it should be off
10	Cause damage to 1-MV-001 and raw water pump
13	Reduce pressure pump setpoint
14	Stop chemical dosing pumps
15	AIT-001 reading is tampered with