About Dataset

Dataset Overview

This dataset contains sensor data collected from various machines, with the aim of predicting machine failures in advance. It includes a variety of sensor readings as well as the recorded machine failures.

Columns Description

footfall: The number of people or objects passing by the machine.

temp Mode: The temperature mode or setting of the machine.

AQ: Air quality index near the machine.

USS: Ultrasonic sensor data, indicating proximity measurements.

CS: Current sensor readings, indicating the electrical current usage of the machine.

VOC: Volatile organic compounds level detected near the machine.

RP: Rotational position or RPM (revolutions per minute) of the machine parts.

IP: Input pressure to the machine.

Temperature: The operating temperature of the machine.

fail: Binary indicator of machine failure (1 for failure, 0 for no failure).