

Part I: Statistical Analysis and Visualization of Process Data

Group 11

Code is divided into 2 files 'Task1' and 'Task2n3' Output files are provided in respective task folders Language used is Python

Task 1

- Dataset is choosen and all the csv files within are read.
- The measurements of the variables in the files are plotted and the timing where attacks take place is highlighted.
- In the end, different plot files for the same dataset version are collated and saved.

Task 2 and 3

- This task takes 2 inputs from the user: dataset name and the scaling method that will be used to perform feature scaling on the data
- Possible input values are: dataset name - hai_20_07, hai_21_03, hai_22_04
Scaling method - MinMax, Standard
- Then from the selected dataset version, 2 files are choosen (by the user) to perform analysis. It is expected to enter the file names along with their extensions, e.g. train1.csv

E.g. for input:

```
"python.exe" "Task_2n3.py" hai_22_04 MinMax
```