

### Format of the submitted result

The test set contains the degradation trajectories of  $M_{test} = 50$  systems, each of which contains  $J = 4$  components. The participants to this challenge are required to provide an estimate  $\hat{\tau}^{j,m}$  of  $\tau^{j,m}$ , i.e. ground truth time of the first entry of a component into an abnormal state, for any  $m = 1, \dots, M_{test}$  and  $j = 1, \dots, J$ .

With respect to submission, the participants to this challenge are required to organize their results as a three-column table in the format of *csv* or *mat* file, where

- the first column is the index of the system  $m = \lfloor n_{row}/(J + \varepsilon) \rfloor + 1$ , where  $n_{row} = 1, \dots, M_{test} \cdot J$  is the index of row and  $\varepsilon = 0.01$  is a small number;
- the second column is the index of the component of each system  $j = n_{row} - \lfloor n_{row}/(J + \varepsilon) \rfloor \cdot J$ ;
- the third column is the estimate  $\hat{\tau}^{j,m}$ , if no entry into an abnormal state is detected,  $\hat{\tau}^{j,m}$  should be set to NaN (Not a Number).

Below is an example of the required format:

| $n_{row}$ | $m$ (column 1) | $j$ (column 2) | $\hat{\tau}^{j,m}$ (column 3) |
|-----------|----------------|----------------|-------------------------------|
| 1         | 1              | 1              | XX                            |
| 2         | 1              | 2              | XX                            |
| 3         | 1              | 3              | XX                            |
| 4         | 1              | 4              | XX                            |
| 5         | 2              | 1              | XX                            |
| 6         | 2              | 2              | XX                            |
| 7         | 2              | 3              | XX                            |
| 8         | 2              | 4              | XX                            |
| ...       | ...            | ...            | ...                           |
| 200       | 50             | 4              | XX                            |