1. Prepare Training Data Set for all 100 engines (Data Source: file train\_FD001.txt):

* Input matrix / file with selected sensor (Sensor no 2, 3, 4, 7, 8, 9, 11, 12, 13, 14, 15, 17, 20, 21)
* Output matrix / file with RULs (Remaining Useful Life)

1. Develop predictive model to compute RUL using regression analysis (quadratic fit).
2. Prepare Test Data Set for all 100 engines (Data Source: file test\_FD001.txt & RUL\_FD001.txt):

* Test Input matrix / file with selected sensor (Sensor no 2, 3, 4, 7, 8, 9, 11, 12, 13, 14, 15, 17, 20, 21)
* Test Output matrix / file with RULs (Remaining Useful Life)

1. Plot predicted RUL & actual RUL and compute MSE (Mean Square Error)