

# MATLAB ASSIGNMENT 1

DATASET #	DATASET NAME	TOTAL SQUARED ERROR
1	Airfoil Self-Noise	1.4181e+06
2	Combined Cycle Power Plant	2.4410e+05
3	Challenger USA Space Shuttle O-Ring	4.0998
4	Computer Hardware	3.7099e+05
5	Concrete Compressive Strength	1.1273e+05
6	Concrete Slump Test	A) 6.1695e+03 B) 1.8206e+04 C) 798.1720
7	Facebook Metrics	1.6270e+06
8	Forest Fires	2.1061e+06
9	Solar Flare	A) 690.7205 B) 94.9166 C) 7.6837
10	Yacht Hydrodynamics	2.5297e+04

## Assumptions

3) **O Ring:** 2<sup>nd</sup> column is the output column and 5<sup>th</sup> column is included in the input matrix. There were two files , I took the first one,namely, *o-ring-erosion-only.data*.

6) **Concrete Slump Test:** 1<sup>st</sup> column was serial number hence excluded from the input matrix and last three columns were taken as output col one by one.

7) **Facebook Metrics:** Column 2,7,17,18 were excluded from the input matrix as 2,7 contained non numerical values and 17<sup>th</sup> and 18<sup>th</sup> column contained NaN values. No rows were excluded.

8) **Solar Flares:** Last three columns were taken as output columns.

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