



Data Collection and Preprocessing Phase

Date	23 June 2024						
Team ID	739698						
Project Title	Acoustic Fire Extinguishing Prediction						
Maximum Marks	6 Marks						

Data Exploration and Preprocessing Template

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable analysis.

Section	D	Description									
	60 D	Dimensions: 602rows*9columns Descriptive statictics:									
	2	count	SIZE 17442.000000	FUEL 17442.000000	DISTANCE 17442.000000	DESIBEL 17442.000000	AIRFLOW 17442.000000	FREQUENCY 17442.000000	STATUS 17442.000000		
		mean	3.411765	1.411765	100.000000	96.379142	6.975634	31.611111	0.497821		
		std	1.750977	1.191120	54.773826	8.164096	4.736169	20.939149	0.500010		
		min	1.000000	0.000000	10.000000	72.000000	0.000000	1.000000	0.000000		
		25%	2.000000	0.000000	50.000000	90.000000	3.200000	14.000000	0.000000		
		50%	3.000000	1.000000	100.000000	95.000000	5.800000	27.500000	0.000000		
		75%	5.000000	3.000000	150.000000	104.000000	11.200000	47.000000	1.000000		
		max	7.000000	3.000000	190.000000	113.000000	17.000000	75.000000	1.000000		























