TEAM ID:	PNT2022TMID32788
TEAM MEMBERS:	ROSHANA V S
	SNEKA M S
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	SNEHA K
PROJECT TITLE:	EFFICIENT WATER QUALITY ANALYSIS
	AND PREDICTION USING MACHINE
	LEARNING

## **ANALYSING THE DATA:**

t[330]:		TATION				D.C		CONDUCTIVITY	B.O.D.	NITRATENAN N+	FECAL	TOTAL COLIFORM
		CODE	LOCATIONS	STATE	Temp	D.O. (mg/l)	PH	(µmhos/cm)	(mg/l)	NITRITENANN (mg/l)	(MPN/100ml)	(MPN/100ml)Mean
	0	1393	AMANGANGA AT D/S OF MADHUBAN, DAMAN	DAMAN & DIU	30.6	6.7	7.5	203	NAN	0.1	11	27
	1		ZUARI AT D/S OF PT. VHERE KUMBARJRIA CANAL JOI	GOA	29.8	5.7	7.2	189	2	0.2	4953	8391
	2	1475	ZUARI AT PANCHAWADI	GOA	29.5	6.3	6.9	179	1.7	0.1	3243	5330
	3	3181	RIVER ZUARI AT BORIM BRIDGE	GOA	29.7	5.8	6.9	64	3.8	0.5	5382	8443
	4	3182	RIVER ZUARI AT MARCAIM JETTY	GOA	29.5	5.8	7.3	83	1.9	0.4	3428	5500
[331]:	data.d	lescribe()	)									
rt[331]:		ye	ar									
	count	1991.00000	00									
	mean	2010.03817	72									
	std	3.05733	33									
	min	2003.00000	00									
	25%	2008.00000	00									
	50%	2011.00000	00									
	75%	2013.00000	00									
[332]: da	max	2014.00000	00									
	max	2014.00000										
<c< td=""><td>lass 'p</td><td>pandas.com</td><td>re.frame.DataFrame</td><td>&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></c<>	lass 'p	pandas.com	re.frame.DataFrame	>								
			entries, 0 to 1990 al 12 columns):									
#	Colu	umn	,		-Null (							
0 1		TION CODE			1 non-r		object	:				
	LOCA	ATIONS		199	1 non-r	null	object	ŧ				
					1 non-r 1 non-r		object object					
2	rem				1 non-r		object					
	D.0	· (mg/1)			1 non-r	null	object					
2 3 4 5	PH											
2 3 4 5	PH CONI	DUCTIVITY	(μmhos/cm)	199	1 non-r		object					
2 3 4 5	PH CONI B.O	DUCTIVITY		199 199		null	object object object	ŧ				
2 3 4 5 6 7 8	PH CONU B.O NITE	DUCTIVITY .D. (mg/l) RATENAN N-	) + NITRITENANN (mg/] RM (MPN/100ml)	199 199 .) 199 199	1 non-r 1 non-r 1 non-r 1 non-r	null null null	object object	: : :				
2 3 4 5 6 7 8 9	PH CONU B.O NITE	DUCTIVITY D. (mg/l) RATENAN N- AL COLIFOR	) + NITRITENANN (mg/]	199 199 .) 199 199	1 non-r 1 non-r 1 non-r	null null null null	object object	: : :				