Team ID	PNT2022TMID53671
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning

ANALYSING THE DATA

: 0	lata.	head()											
:	ST	ATION	LOCATIONS	STATE	Temp	D.O. (mg/l)	РН	CONDUCT (µmho	IVITY s/cm)	B.O.D. (mg/l)	NITRATENAN N+ NITRITENANN (mg/l)	FECAL COLIFORM (MPN/100ml)	TOTA COLIFOR (MPN/100ml)Mea
	0	1393	DAMANGANGA AT D/S OF MADHUBAN, DAMAN	DAMAN & DIU	30.6	6.7	7.5		203	NAN	0.1	11	2
	1	1399	ZUARI AT D/S OF PT. WHERE KUMBARJRIA CANAL JOI	GOA	29.8	5.7	7.2		189	2	0.2	4953	836
	2	1475	ZUARI AT PANCHAWADI	GOA	29.5	6.3	6.9		179	1.7	0.1	3243	533
	3	3181	RIVER ZUARI AT BORIM BRIDGE	GOA	29.7	5.8	6.9		64	3.8	0.5	5382	844
	4	3182	RIVER ZUARI AT MARCAIM JETTY	GOA	29.5	5.8	7.3		83	1.9	0.4	3428	550
	4)
: 0	: data.describe()												
:			year										
-	count	1991.	000000										
	mean 2010.038172												
	std	3	057333										
	min	2003.											
		2008.											
	50%	2011.	000000										
	75%	2013.	000000										
	max	2014.	000000										
: (data.	info()											
-	clas Range	s 'par Index:	das.core.fra 1991 entrie	s, 0 to	1990	>							
-	clas Range Data	s 'par Index: column	ndas.core.fra 1991 entrie ns (total 12	s, 0 to	1990		- Nu	11 Coupt	Dtype				
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1	clas Range Data #	s 'par Index: columr Columr	das.core.fra 1991 entrie ns (total 12 ON CODE	s, 0 to	1990	Nor	1 no			:t			
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1	Cclas Range Data # 0 1 2 3 4 5	s 'par Index: columr Columr STATIC LOCATI STATE Temp D.O. (ndas.core.fra 1991 entrie is (total 12 NN CODE CONS	s, 0 to columns	1990	Nor 199 199 199 199	91 no 91 no 91 no 91 no 91 no	on-null on-null on-null on-null on-null	object object object object object	t t t t t			
1	Cclas Range Data # 0 1 2 3 4 5	s 'par Index: column Column STATIC LOCATI STATE Temp D.O. (PH CONDUC	ndas.core.fra 1991 entrie s (total 12) ON CODE ONS (mg/l)	s, 0 to columns	1990	Nor 199 199 199 199 199	91 no 91 no 91 no 91 no 91 no 91 no	on-null on-null on-null on-null on-null on-null	object object object object object object	t t t t t			
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9	Cclas Range Data # 0 1 2 3 4 5 6 7 8	s 'par Index: column Column STATIC LOCATI STATE Temp D.O. (PH CONDUC B.O.D.	ndas.core.fra 1991 entrie s (total 12) ON CODE ONS (mg/l)	s, 0 to columns s/cm) ITENANN	1990): (mg/l	Nor 199 199 199 199 199 199 199	91 no 91 no 91 no 91 no 91 no 91 no 91 no	on-null on-null on-null on-null on-null on-null on-null on-null	object object object object object object	et e			