import pandas as pd

path="/content/drive/MyDrive/ Dataset/students.csv"
df=pd.read\_csv(path)
print(df)

<b>→</b>	0 1 2 3 4  319 320 321 322 323	Observation 31-00:00 31-01:00 31-02:00 31-03:00 31-04:00 10-16:00 9-19:00 9-20:00 9-21:00 9-22:00	Y-Kappa 23.10 27.60 23.19 23.60 22.90  23.75 19.80 23.01 24.32 25.75	ChipRate 16.520 16.810 16.709 16.478 15.618  12.667 12.558 12.550 13.083	121.7 79.0 79.5 81.0 93.2 93.4 94.3 90.8 88.9	17 22 62 11 44  50 52 42	BlowFlow 1177.607 1328.360 1329.407 1334.877 1334.168  1178.252 1184.119 1188.517 1192.879 1186.342		Level4 169.805 341.327 239.161 213.527 243.131  276.955 297.071 289.826 318.006 248.312	
		T-upperExt-	2 T-104	erExt-2	UCZAA W	hite	Flow-4		SteamFlow-	4 \
	0	358.2		329.545			599.253		67.1	
	1	351.0		329.067			537.201		60.0	
	2	350.0		329.067			549.611	• • •	61.3	
	3	350.9		331.142			623.362	• • •	68.4	
								• • •		
	4	351.6	40	332.709			638.672	• • •	70.0	
	210		· ·	210 070				• • •		
	319	347.2		310.970			513.956	• • •	61.1	
	320	399.1		319.576			570.058	• • •	67.6	
	321	373.6		314.591			549.306	• • •	66.4	
	322	364.0		308.559			504.852		61.0	
	323	356.2	89	310.482	1.474	•	497.375	• • •	58.2	47
		Lower HeatT	2 Unnon	lloo+T 2	ChipNaca	1	المعادا غصا	o re F	DlackElow	-2 \
	^	Lower-HeatT		-HeatT-3	ChipMass		WeakLiqu		BlackFlow	
	0	329.4		303.099				197	1319.	
	1	330.8		304.879				.975	1297.	
	2	329.1		303.383				.534	1327.	
	3	328.8		302.254				.853	1324.	
	4	328.3	52	300.954	183.	929	888	.448	1343.	424
	• •		• •			• • •		• • •		
	319	330.1		304.006				.201	1357.	
	320	330.8		304.616				.962	1311.	
	321	330.2		304.686				.125	1319.	
	322	327.3	46	304.363	147.	589	804	.423	1320.	225
	323	328.0	92	304.093	144.	218	828	.328	1320.	848
		WeakWashF	SteamHea		Top-Chips-		Sulphidit	yL-4		
	0	257.325	5	4.612	252.0	77		NaN		
	1	241.182	4	6.603	251.4	06		29.11		
	2	237.272	5	1.795	251.3	35		NaN		
	3	239.478	5	4.846	250.3	12		29.02		
	4	215.372		4.186	249.9			29.01		
			_		•					
	210	201 6/12	1	E 261	י זבי מ	17		20 0E		

כוכ	301.043	43.204	ZJZ.74/	30.00
320	25.494	50.528	252.092	30.70
321	0.638	45.549	252.438	NaN
322	0.000	43.725	253.176	31.13
323	1.276	43.840	253.216	NaN

[324 rows x 23 columns]

## df.fillna(0,inplace=True) df

	<b>Observation</b>	Y- Kappa	ChipRate	BF- CMratio	BlowFlow	ChipLevel4	T- upperExt-2
0	31-00:00	23.10	16.520	121.717	1177.607	169.805	358.282
1	31-01:00	27.60	16.810	79.022	1328.360	341.327	351.050
2	31-02:00	23.19	16.709	79.562	1329.407	239.161	350.022
3	31-03:00	23.60	16.478	81.011	1334.877	213.527	350.938
4	31-04:00	22.90	15.618	93.244	1334.168	243.131	351.640
•••							
319	10-16:00	23.75	12.667	93.450	1178.252	276.955	347.286
320	9-19:00	19.80	12.558	94.352	1184.119	297.071	399.135
321	9-20:00	23.01	12.550	90.842	1188.517	289.826	373.633
322	9-21:00	24.32	13.083	88.910	1192.879	318.006	364.081
323	9-22:00	25.75	13.417	85.451	1186.342	248.312	356.289

324 rows × 23 columns

data=df[df['ChipRate']<50]
print(data.head())</pre>

₹	0 1 2 3 4	Observation 31-00:00 31-01:00 31-02:00 31-03:00 31-04:00	Y-Kappa 23.10 27.60 23.19 23.60 22.90	ChipRate 16.520 16.810 16.709 16.478 15.618	79. 81.		BlowFlow 1177.607 1328.360 1329.407 1334.877 1334.168	Chi	pLevel4 \ 169.805 341.327 239.161 213.527 243.131	
	0 1 2 3 4	T-upperExt-2 358.28 351.05 350.02 350.93 351.64	32 50 22 38	erExt-2 329.545 329.067 329.260 331.142 332.709	UCZAA 1.443 1.549 1.600 1.604 0.000	Whit	eFlow-4 599.253 537.201 549.611 623.362 638.672		SteamFlow-4 67.12 60.01 61.30 68.49 70.02	2 2 4 6

	Lower-HeatT-3	Upper-HeatT-3	ChipMass-4	WeakLiquorF	BlackFlow-2	\
0	329.432	303.09	9 175.964	1127.197	1319.039	
1	330.823	304.87	9 163.202	665.975	1297.317	
2	329.140	303.38	3 164.013	677.534	1327.072	
3	328.875	302.25	4 181.487	767.853	1324.461	
4	328.352	300.95	4 183.929	888.448	1343.424	
	WeakWashF S	SteamHeatF-3 T	-Top-Chips-4	SulphidityL-4		
0	257.325	54.612	252.077	0.00		
1	241.182	46.603	251.406	29.11		
2	237.272	51.795	251.335	0.00		
3	239.478	54.846	250.312	29.02		
4	215.372	54.186	249.916	29.01		

[5 rows x 23 columns]

Start coding or generate with AI.

filtered\_df = df[df['BlowFlow'] < 50]
print(filtered\_df.head())</pre>

						-1 -1	<b>.</b>			
	Observation	Y-Kappa	ChipRate	BF-CMra		BlowFlow	Chip	Level4	\	
29	1-04:00	20.14	13.733		0.0	0.0		274.481		
179		25.41	13.070		0.0	0.0		278.166		
180		24.17	13.750		0.0	0.0		283.738		
181	7-12:00	24.18	14.064		0.0	0.0		226.825		
182	7-13:00	23.83	14.227		0.0	0.0		220.074		
	T-upperExt-	2 T-low	erExt-2	UCZAA	White	eFlow-4		SteamFlo	w-4	\
29	346.5		309.963	1.546		504.445			.560	
179			322.353	1.224		542.846			.461	
180			321.765	1.306		559.529			.362	
181	351.8		322.534	1.348		568.685			.282	
182			323.718	1.416		594.970			.476	
.02	332.7		32317.10			3311370	• • •	02		
	Lower-HeatT	-3 Upper	-HeatT-3	ChipMas	s-4	WeakLiq	uorF	BlackFl	.ow-2	\
29	328.9	14	304.030	151	.887	760	0.020	130	0.479	
179	318.7	11	295.300	141	.076	863	3.891	109	1.979	
180	318.8	88	296.083	153	.706	959	9.228	109	3.035	
181	319.2	66	295.585	146	.355	934	4.326	109	3.351	
182	321.0	62	296.846	158	.196	97	7.152	109	2.896	
	WeakWashF	SteamHea	tF-3 T-1	op-Chips	-4	Sulphidi	tyL-4			
29	436.406	4	6.632	252.	133		30.07	1		
179	43.288	4	8.221	252.	042		30.18	}		
180	41.454	4	7.759	250.	862		0.00	)		
181	39.037	5	0.132	250.	465		29.88	}		
182	81.065	5	1.821	249.	353		0.00	)		

[5 rows x 23 columns]

selected\_columns=df[['Y-Kappa', 'ChipRate', 'BF-CMratio']]

summary\_statistics=selected\_columns.describe()
print(summary\_statistics)

count mean std min 25%	Y-Kappa 324.000000 20.635370 3.070036 12.170000 18.382500	ChipRate 324.000000 14.126519 2.313019 0.000000 13.242000	BF-CMratio 324.000000 82.875272 21.025304 0.000000 81.011000
25% 50% 75%	20.845000 23.032500	14.296000 15.498250	85.828500 92.123250
max	27.600000	16.958000	121.717000