```
In [1]: 1 import numpy as np import pandas as pd
```

Out[2]:

	id	age	F	sg	al	su	rbc	рс	pcc	ba	 pcv	wc	rc	htn	dm	cad	appet	ре	ane	classificatio
0	0	48.0	80.0	1.020	1.0	0.0	NaN	normal	notpresent	notpresent	 44.0	7800.0	5.2	yes	yes	no	good	no	no	ck
1	1	7.0	50.0	1.020	4.0	0.0	NaN	normal	notpresent	notpresent	 38.0	6000.0	NaN	no	no	no	good	no	no	ck
2	2	62.0	80.0	1.010	2.0	3.0	normal	normal	notpresent	notpresent	 31.0	7500.0	NaN	no	yes	no	poor	no	yes	ck
3	3	48.0	70.0	1.005	4.0	0.0	normal	abnormal	present	notpresent	 32.0	6700.0	3.9	yes	no	no	poor	yes	yes	ck
4	4	51.0	80.0	1.010	2.0	0.0	normal	normal	notpresent	notpresent	 35.0	7300.0	4.6	no	no	no	good	no	no	ck
395	395	55.0	80.0	1.020	0.0	0.0	normal	normal	notpresent	notpresent	 47.0	6700.0	4.9	no	no	no	good	no	no	notck
396	396	42.0	70.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent	 54.0	7800.0	6.2	no	no	no	good	no	no	notck
397	397	12.0	80.0	1.020	0.0	0.0	normal	normal	notpresent	notpresent	 49.0	6600.0	5.4	no	no	no	good	no	no	notck
398	398	17.0	60.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent	 51.0	7200.0	5.9	no	no	no	good	no	no	notck
399	399	58.0	80.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent	 53.0	6800.0	6.1	no	no	no	good	no	no	notck

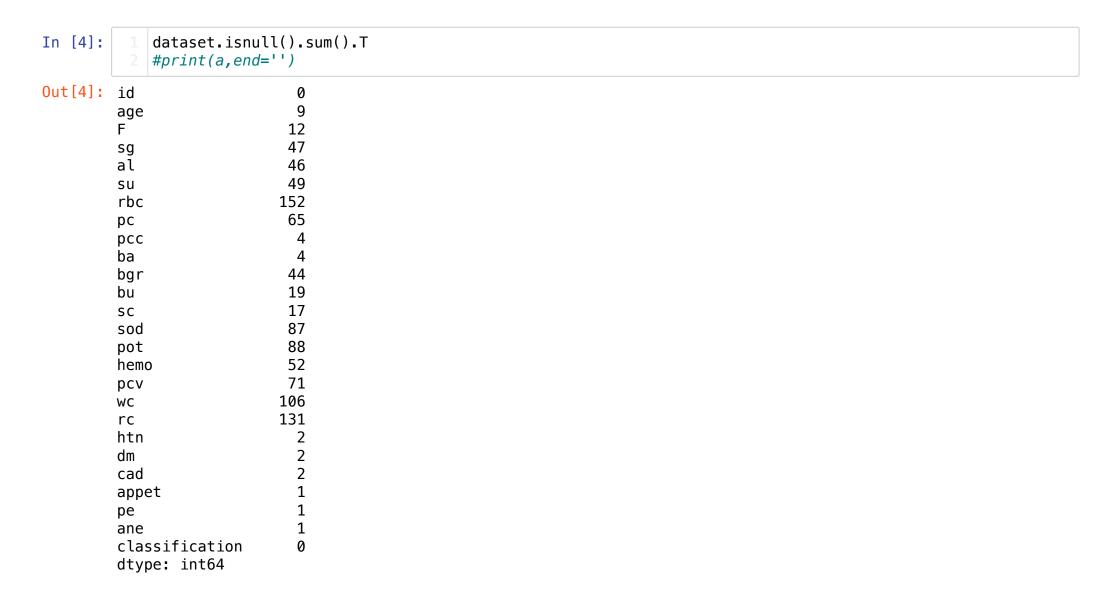
400 rows × 26 columns

In [3]: 1 dataset.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 400 entries, 0 to 399
Data columns (total 26 columns):

#	Column	Non-Null Count	Dtype
0	id	400 non-null	int64
1	age	391 non-null	float64
2 3	F	388 non-null	float64
	sg	353 non-null	float64
4	al	354 non-null	float64
5	su	351 non-null	float64
6	rbc	248 non-null	object
7	рс	335 non-null	object
8	pcc	396 non-null	object
9	ba	396 non-null	object
10	bgr	356 non-null	float64
11	bu	381 non-null	float64
12	SC	383 non-null	float64
13	sod	313 non-null	float64
14	pot	312 non-null	float64
15	hemo	348 non-null	float64
16	pcv	329 non-null	float64
17	WC	294 non-null	float64
18	rc	269 non-null	float64
19	htn	398 non-null	object
20	dm	398 non-null	object
21	cad	398 non-null	object
22	appet	399 non-null	object
23	pe	399 non-null	object
24	ane	399 non-null	object
25	classification		object
dtyp	es: float64(14),	_	t(11)

memory usage: 81.4+ KB



Deleting Certain Rows with Missing Values

dataset.dropna(subset=['age','pcc', 'ba','htn','dm','cad','appet','pe','ane'], inplace=True dataset													<u> </u>								
	id	age	F	sg	al	su	rbc	рс	рсс	ba		pcv	wc	rc	htn	dm	cad	appet	ре	ane	classificati
0	0	48.0	80.0	1.020	1.0	0.0	NaN	normal	notpresent	notpresent		44.0	7800.0	5.2	yes	yes	no	good	no	no	c
1	1	7.0	50.0	1.020	4.0	0.0	NaN	normal	notpresent	notpresent		38.0	6000.0	NaN	no	no	no	good	no	no	С
2	2	62.0	80.0	1.010	2.0	3.0	normal	normal	notpresent	notpresent		31.0	7500.0	NaN	no	yes	no	poor	no	yes	С
3	3	48.0	70.0	1.005	4.0	0.0	normal	abnormal	present	notpresent		32.0	6700.0	3.9	yes	no	no	poor	yes	yes	cl
4	4	51.0	80.0	1.010	2.0	0.0	normal	normal	notpresent	notpresent		35.0	7300.0	4.6	no	no	no	good	no	no	cł
395	395	55.0	80.0	1.020	0.0	0.0	normal	normal	notpresent	notpresent		47.0	6700.0	4.9	no	no	no	good	no	no	notck
396	396	42.0	70.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent		54.0	7800.0	6.2	no	no	no	good	no	no	notck
397	397	12.0	80.0	1.020	0.0	0.0	normal	normal	notpresent	notpresent		49.0	6600.0	5.4	no	no	no	good	no	no	notck
398	398	17.0	60.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent		51.0	7200.0	5.9	no	no	no	good	no	no	notck
399	399	58.0	80.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent		53.0	6800.0	6.1	no	no	no	good	no	no	notck

Filling Missing Numerical Values with Median Values

In [6]: dataset.fillna(dataset.median(), inplace=True) dataset

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_3973/3113556935.py:1: FutureWarning: The defaul t value of numeric_only in DataFrame.median is deprecated. In a future version, it will default to False. In addition, specifying 'numeric_only=None' is deprecated. Select only valid columns or specify the value of numeric_only to silence this warning.

dataset.fillna(dataset.median(), inplace=True)

Out[6]:		id	age	F	sg	al	su	rbc	рс	рсс	ba	 pcv	wc	rc	htn	dm	cad	appet	ре	ane	classification
•	0	0	48.0	80.0	1.020	1.0	0.0	NaN	normal	notpresent	notpresent	 44.0	7800.0	5.2	yes	yes	no	good	no	no	ckd
	1	1	7.0	50.0	1.020	4.0	0.0	NaN	normal	notpresent	notpresent	 38.0	6000.0	4.7	no	no	no	good	no	no	ckd
	2	2	62.0	80.0	1.010	2.0	3.0	normal	normal	notpresent	notpresent	 31.0	7500.0	4.7	no	yes	no	poor	no	yes	ckd
	3	3	48.0	70.0	1.005	4.0	0.0	normal	abnormal	present	notpresent	 32.0	6700.0	3.9	yes	no	no	poor	yes	yes	ckd
	4	4	51.0	80.0	1.010	2.0	0.0	normal	normal	notpresent	notpresent	 35.0	7300.0	4.6	no	no	no	good	no	no	ckd
		•••										 									
	395	395	55.0	80.0	1.020	0.0	0.0	normal	normal	notpresent	notpresent	 47.0	6700.0	4.9	no	no	no	good	no	no	notckd
	396	396	42.0	70.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent	 54.0	7800.0	6.2	no	no	no	good	no	no	notckd
	397	397	12.0	80.0	1.020	0.0	0.0	normal	normal	notpresent	notpresent	 49.0	6600.0	5.4	no	no	no	good	no	no	notckd
	398	398	17.0	60.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent	 51.0	7200.0	5.9	no	no	no	good	no	no	notckd
	399	399	58.0	80.0	1.025	0.0	0.0	normal	normal	notpresent	notpresent	 53.0	6800.0	6.1	no	no	no	good	no	no	notckd

384 rows × 26 columns

In [7]:	1 dataset.is	r
Out[7]:	id	0
	age	0
	F	0
	sg	0
	al	0
	su	0
	rbc	146
	pc	60
	pcc	0
	ba	0
	bgr	0
	bu	0
	sc	0
	sod	0
	pot	0
	hemo	0
	pcv	0
	WC	0
	rc	0
	htn	0
	dm	0
	cad	0
	appet	0
	pe	0
	ane	0
	<pre>classification dtype: int64</pre>	0

Finding Mode to Replace Missing Categorical Values

```
In [8]:
             categorical_columns = ['rbc','pc']
             modes = dataset[categorical_columns].mode()
             modes
Out[8]:
              rbc
         0 normal normal
```

Replacing the Missing Categorical Values With Calculated Mode

pcc

ba

bu

SC

sod pot

hemo

pcv

WC

rc

htn

cad

pe ane

appet

classification

dtype: int64

dm

bgr

```
dataset[dataset.select_dtypes(include=['object']).columns] = dataset.select_dtypes(include=['object']).
 In [9]:
                dataset
 Out [9]:
                  id age
                                                                                                    rc htn dm cad appet
                                                                                                                             pe ane classification
                                       al su
                                                 rbc
                                                                     рсс
                                                                                ba ... pcv
                                  sg
                                                           рс
              0
                   0 48.0 80.0 1.020
                                     1.0 0.0
                                              normal
                                                        normal
                                                               notpresent notpresent ... 44.0 7800.0 5.2 yes yes
                                                                                                                                              ckd
                                                                                                                  no
                                                                                                                      good
                                                                                                                                  no
                                                                                                                            no
                      7.0 50.0 1.020 4.0 0.0
                                                               notpresent notpresent ... 38.0 6000.0 4.7
              1
                                              normal
                                                        normal
                                                                                                        no
                                                                                                             no
                                                                                                                      good
                                                                                                                                              ckd
                                                                                                                 no
                                                                                                                            no
                                                                                                                                  no
                   2 62.0 80.0 1.010 2.0 3.0
                                                               notpresent notpresent ... 31.0
                                                                                            7500.0 4.7
                                                                                                                                              ckd
                                              normal
                                                        normal
                                                                                                        no
                                                                                                            yes
                                                                                                                  no
                                                                                                                       poor
                                                                                                                             no
                                                                                                                                 yes
                                                                                            6700.0 3.9 yes
                   3 48.0 70.0 1.005 4.0 0.0
                                              normal
                                                      abnormal
                                                                  present notpresent ... 32.0
                                                                                                             no
                                                                                                                       poor
                                                                                                                                              ckd
                   4 51.0 80.0 1.010 2.0 0.0 normal
                                                               notpresent notpresent ... 35.0 7300.0 4.6
                                                                                                                                              ckd
                                                        normal
                                                                                                        no
                                                                                                             no
                                                                                                                  no
                                                                                                                      good
                                                                                                                            no
                                                                                                                                  no
                395 55.0 80.0 1.020 0.0 0.0 normal
                                                               notpresent notpresent ... 47.0
                                                                                            6700.0 4.9
            395
                                                                                                                      good
                                                                                                                                           notckd
                                                        normal
                                                                                                        no
                                                                                                             no
                                                                                                                  no
                                                                                                                             no
                                                                                                                                  no
                396 42.0 70.0 1.025 0.0 0.0
                                              normal
                                                               notpresent notpresent ... 54.0
                                                                                           7800.0 6.2
                                                                                                                                           notckd
            396
                                                        normal
                                                                                                        no
                                                                                                             no
                                                                                                                  no
                                                                                                                      good
                                                                                                                             no
                                                                                                                                  no
                397 12.0 80.0 1.020 0.0 0.0 normal
                                                               notpresent notpresent ... 49.0 6600.0 5.4
            397
                                                        normal
                                                                                                        no
                                                                                                             no
                                                                                                                  no
                                                                                                                      good
                                                                                                                                  no
                                                                                                                                           notckd
                 398 17.0 60.0 1.025 0.0 0.0 normal
                                                        normal
                                                               notpresent notpresent ... 51.0 7200.0 5.9
                                                                                                        no
                                                                                                             no
                                                                                                                  no
                                                                                                                      good
                                                                                                                             no
                                                                                                                                  no
                                                                                                                                           notckd
                399 58.0 80.0 1.025 0.0 0.0 normal
                                                                                                                      good
            399
                                                               notpresent notpresent ... 53.0 6800.0 6.1
                                                                                                                                           notckd
                                                        normal
                                                                                                        no
                                                                                                             no
                                                                                                                  no
                                                                                                                            no
                                                                                                                                  no
           384 rows × 26 columns
                dataset.isnull().sum()
In [10]:
Out[10]: id
                                  0
                                  0
           age
                                  0
           sg
                                  0
                                  0
           al
                                  0
           su
                                  0
           rbc
                                  0
           рс
```

Defining Quan & Qual for Outlier Removal

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

```
In [12]:
                 quan,qual=quanQual(dataset)
                 quan
Out[12]: ['id',
              'age',
              'F',
              'sg'
              'al',
              'su'
              'bgr'
              'bu',
              'sc',
              'sod'
              'pot'
              'hemo'
              'pcv',
              'wc'
              'rc']
In [13]:
                 dataset[qual]
Out [13]:
                                                     ba htn dm cad appet pe ane classification
                     rbc
                               рс
                                         pcc
                 normal
                            normal
                                   notpresent notpresent yes
                                                                                                 ckd
                                                             yes
                                                                   no
                                                                        good
                                                                               no
               1 normal
                                   notpresent notpresent
                                                                                                 ckd
                            normal
                                                         no
                                                              no
                                                                   no
                                                                        good
                                                                               no
                                                                                    no
               2 normal
                                                             yes
                                                                                   yes
                                                                                                 ckd
                            normal
                                  notpresent notpresent
                                                         no
                                                                   no
                                                                               no
                                                                         poor
               3 normal
                         abnormal
                                      present notpresent yes
                                                                         poor yes
                                                                                                 ckd
                                                              no
                                                                   no
                                                                                   yes
                 normal
                            normal
                                   notpresent notpresent
                                                         no
                                                              no
                                                                   no
                                                                        good
                                                                               no
                                                                                    no
                                                                                                 ckd
                 normal
             395
                            normal
                                   notpresent notpresent
                                                              no
                                                                   no
                                                                        good
                                                                               no
                                                                                    no
                                                                                              notckd
                                                         no
                 normal
                                  notpresent notpresent
                                                                                              notckd
             396
                                                                        good
                            normal
                                                         no
                                                              no
                                                                   no
                                                                               no
                                                                                    no
             397
                                                                                              notckd
                 normal
                            normal
                                  notpresent notpresent
                                                         no
                                                              no
                                                                   no
                                                                        good
                                                                               no
                                                                                    no
                 normal
                                                                                              notckd
             398
                            normal
                                   notpresent notpresent
                                                         no
                                                              no
                                                                   no
                                                                        good
                                                                               no
                                                                                    no
             399
                 normal
                            normal
                                  notpresent notpresent
                                                              no
                                                                        good
                                                                               no
                                                                                              notckd
```

384 rows × 11 columns

Outlier Removal

```
In [14]:
             descriptive=pd.DataFrame(index=["Mean","Median","Mode","Q1:25%","Q2:50%",
                                             "Q3:75%","99%","Q4:100%","IQR","1.5rule","Lesser","Greater","Min","Max"],
             for columnName in quan:
                 descriptive[columnName] ["Mean"] = dataset[columnName].mean()
                 descriptive[columnName]["Median"]=dataset[columnName].median()
                 descriptive[columnName] ["Mode"] = dataset[columnName] . mode()[0]
                 descriptive[columnName] ["Q1:25%"] = dataset.describe() [columnName] ["25%"]
                 descriptive[columnName] ["Q2:50%"] = dataset.describe() [columnName] ["50%"]
                 descriptive[columnName] ["Q3:75%"] = dataset.describe() [columnName] ["75%"]
                 descriptive[columnName]["99%"]=np.percentile(dataset[columnName],99)
                 descriptive[columnName] ["Q4:100%"] = dataset.describe() [columnName] ["max"]
                 descriptive[columnName]["IQR"]=descriptive[columnName]["Q3:75%"]-descriptive[columnName]["Q1:25%"]
                 descriptive[columnName] ["1.5rule"]=1.5*descriptive[columnName] ["IQR"]
                 descriptive[columnName] ["Lesser"] = descriptive[columnName] ["Q1:25%"] - descriptive[columnName] ["1.5rule
                 descriptive[columnName]["Greater"]=descriptive[columnName]["Q3:75%"]+descriptive[columnName]["1.5ru]
                 descriptive[columnName]["Min"]=dataset[columnName].min()
                 descriptive[columnName]["Max"]=dataset[columnName].max()
In [15]:
             lesser=[]
              greater=[]
              for columnName in quan:
                  if(descriptive[columnName]["Lesser"]>descriptive[columnName]["Min"]):
                      lesser.append(columnName)
                  if(descriptive[columnName] ["Greater"] < descriptive[columnName] ["Q4:100%"]):</pre>
                      greater.append(columnName)
           1 lesser
In [16]:
Out[16]: ['age', 'F', 'sg', 'bgr', 'sod', 'pot', 'hemo', 'pcv', 'wc', 'rc']
In [17]:
             greater
Out[17]: ['F', 'su', 'bgr', 'bu', 'sc', 'sod', 'pot', 'wc', 'rc']
```

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_3973/3400726572.py:2: SettingWithCopyWarning: A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.htm l#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

dataset[column][dataset[column]descriptive[column]["Lesser"]]=descriptive[column]["Lesser"]
/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_3973/3400726572.py:2: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

dataset[column][dataset[column]<descriptive[column]["Lesser"]]=descriptive[column]["Lesser"]
/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_3973/3400726572.py:2: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame</pre>

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.htm l#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#re

```
descriptive=pd.DataFrame(index=["Mean", "Median", "Mode", "Q1:25%", "Q2:50%",
In [19]:
                                              "Q3:75%","99%","Q4:100%","IQR","1.5rule","Lesser","Greater","Min","Max"]
             for columnName in quan:
                  descriptive[columnName] ["Mean"] = dataset[columnName].mean()
                  descriptive[columnName]["Median"]=dataset[columnName].median()
                  descriptive[columnName] ["Mode"] = dataset[columnName].mode()[0]
                  descriptive[columnName] ["Q1:25%"] = dataset.describe() [columnName] ["25%"]
                  descriptive[columnName] ["Q2:50%"] = dataset.describe() [columnName] ["50%"]
                  descriptive[columnName] ["Q3:75%"] = dataset.describe() [columnName] ["75%"]
                  descriptive[columnName]["99%"]=np.percentile(dataset[columnName],99)
                  descriptive[columnName] ["Q4:100%"] = dataset.describe() [columnName] ["max"]
                  descriptive[columnName]["IQR"]=descriptive[columnName]["Q3:75%"]-descriptive[columnName]["Q1:25%"]
                  descriptive[columnName] ["1.5rule"]=1.5*descriptive[columnName] ["IQR"]
                  descriptive[columnName]["Lesser"]=descriptive[columnName]["Q1:25%"]-descriptive[columnName]["1.5rul
                  descriptive[columnName]["Greater"]=descriptive[columnName]["Q3:75%"]+descriptive[columnName]["1.5ru
                  descriptive[columnName]["Min"]=dataset[columnName].min()
                  descriptive[columnName]["Max"]=dataset[columnName].max()
```

In [20]: 1 descriptive

Out [20]:

	id	age	F	sg	al	su	bgr	bu	sc	sod	pot	hemo	pcv
Mean	198.979167	51.574219	76.002604	1.017728	0.90625	0.0	134.552083	49.758984	2.061328	138.205729	4.378385	12.544434	39.114583
Median	198.5	55.0	80.0	1.02	0.0	0.0	122.0	42.0	1.3	138.0	4.4	12.6	40.0
Mode	0	60.0	80.0	1.02	0.0	0.0	224.25	110.125	5.4	138.0	4.4	12.6	40.0
Q1:25%	97.75	42.0	70.0	1.015	0.0	0.0	101.75	27.0	0.9	135.0	4.0	10.9	34.0
Q2:50%	198.5	55.0	80.0	1.02	0.0	0.0	122.0	42.0	1.3	138.0	4.4	12.6	40.0
Q3:75%	301.25	65.0	80.0	1.02	2.0	0.0	150.75	60.25	2.7	141.0	4.8	14.525	44.0
99%	395.17	80.17	95.0	1.025	4.0	0.0	224.25	110.125	5.4	150.0	6.0	17.617	53.17
Q4:100%	399.0	90.0	95.0	1.025	5.0	0.0	224.25	110.125	5.4	150.0	6.0	17.8	54.0
IQR	203.5	23.0	10.0	0.005	2.0	0.0	49.0	33.25	1.8	6.0	0.8	3.625	10.0
1.5rule	305.25	34.5	15.0	0.0075	3.0	0.0	73.5	49.875	2.7	9.0	1.2	5.4375	15.0
Lesser	-207.5	7.5	55.0	1.0075	-3.0	0.0	28.25	-22.875	-1.8	126.0	2.8	5.4625	19.0
Greater	606.5	99.5	95.0	1.0275	5.0	0.0	224.25	110.125	5.4	150.0	6.0	19.9625	59.0
Min	0	7.5	55.0	1.0075	0.0	0.0	28.25	1.5	0.4	126.0	2.8	5.4625	19.0
Max	399	90.0	95.0	1.025	5.0	0.0	224.25	110.125	5.4	150.0	6.0	17.8	54.0

```
In [21]: 1 lesser=[]
greater=[]

for columnName in quan:
    if(descriptive[columnName]["Lesser"]>descriptive[columnName]["Min"]):
        lesser.append(columnName)
    if(descriptive[columnName]["Greater"]<descriptive[columnName]["Q4:100%"]):
        greater.append(columnName)</pre>
```

In [22]: 1 lesser

Out[22]: []

In [23]:		grea	ater																		
Out[23]:	[]																				
In [24]:	1	data	set																		
Out[24]:		id	age	F	sg	al	su	rbc	рс	рсс	ba	 pcv	wc	rc	htn	dm	cad	appet	ре	ane	classifica
	0	0	48.0	80.0	1.0200	1.0	0.0	normal	normal	notpresent	notpresent	 44.0	7800.0	5.2000	yes	yes	no	good	no	no	
	1	1	7.5	55.0	1.0200	4.0	0.0	normal	normal	notpresent	notpresent	 38.0	6000.0	4.7000	no	no	no	good	no	no	
	2	2	62.0	80.0	1.0100	2.0	0.0	normal	normal	notpresent	notpresent	 31.0	7500.0	4.7000	no	yes	no	poor	no	yes	
	3	3	48.0	70.0	1.0075	4.0	0.0	normal	abnormal	present	notpresent	 32.0	6700.0	3.9000	yes	no	no	poor	yes	yes	
	4	4	51.0	80.0	1.0100	2.0	0.0	normal	normal	notpresent	notpresent	 35.0	7300.0	4.6000	no	no	no	good	no	no	
									•••			 									
	395	395	55.0	80.0	1.0200	0.0	0.0	normal	normal	notpresent	notpresent	 47.0	6700.0	4.9000	no	no	no	good	no	no	nc
	396	396	42.0	70.0	1.0250	0.0	0.0	normal	normal	notpresent	notpresent	 54.0	7800.0	5.8125	no	no	no	good	no	no	nc
	397	397	12.0	80.0	1.0200	0.0	0.0	normal	normal	notpresent	notpresent	 49.0	6600.0	5.4000	no	no	no	good	no	no	nc
	398	398	17.0	60.0	1.0250	0.0	0.0	normal	normal	notpresent	notpresent	 51.0	7200.0	5.8125	no	no	no	good	no	no	nc
	399	399	58.0	80.0	1.0250	0.0	0.0	normal	normal	notpresent	notpresent	 53.0	6800.0	5.8125	no	no	no	good	no	no	nc

384 rows × 26 columns

Saving the Preprocessed dataset as a New File

In [25]: 1 dataset.to_csv("PreProcessed_kidney_disease.csv",index=False)