

Files

sample\_data  
kidney\_disease.csv

+ Code + Text

```
for i in catcols:
    print("Columns :",i)
    print(c(data[i]))
    print('***120+\n')

Columns : dm
Counter({'no': 258, 'yes': 134, '\tno': 3, '\tyes': 2, nan: 2, ' yes': 1})
*****

Columns : rc
Counter({'nan': 130, '5.2': 18, '4.5': 16, '4.9': 14, '4.7': 11, '3.9': 10,
*****

Columns : pe
Counter({'no': 323, 'yes': 76, nan: 1})
*****

Columns : rbc
Counter({'normal': 201, nan: 152, 'abnormal': 47})
*****

Columns : htn
Counter({'no': 251, 'yes': 147, nan: 2})
*****

Columns : cad
Counter({'no': 362, 'yes': 34, '\tno': 2, nan: 2})
```

RAM  
Disk

kidney\_disease.csv X

1 to 10 of 400 entries Filter

id	age	bp	sg	al	su	rbc	pc	
0	48.0	80.0	1.02	1.0	0.0		normal	not
1	7.0	50.0	1.02	4.0	0.0		normal	not
2	62.0	80.0	1.01	2.0	3.0	normal	normal	not
3	48.0	70.0	1.005	4.0	0.0	normal	abnormal	pre
4	51.0	80.0	1.01	2.0	0.0	normal	normal	not
5	60.0	90.0	1.015	3.0	0.0			not
6	68.0	70.0	1.01	0.0	0.0		normal	not
7	24.0		1.015	2.0	4.0	normal	abnormal	not
8	52.0	100.0	1.015	3.0	0.0	normal	abnormal	pre
9	53.0	90.0	1.02	2.0	0.0	abnormal	abnormal	pre

Show 10 per page 1 2 10 30 40



kidney diseases - Colaboratory

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kidney diseases

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Files

sample\_data

kidney\_disease.csv

data.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	bp	388 non-null	float64
3	sg	353 non-null	float64
4	al	354 non-null	float64
5	su	351 non-null	float64
6	rbc	248 non-null	object
7	pc	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	330 non-null	object
17	wc	295 non-null	object
18	rc	270 non-null	object
19	htn	398 non-null	object

kidney\_disease.csv

1 to 10 of 400 entries

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6	68.0	70.0	1.01	0.0	0.0		normal
7	24.0		1.015	2.0	4.0	normal	abnormal
8	52.0	100.0	1.015	3.0	0.0	normal	abnormal
9	53.0	90.0	1.02	2.0	0.0	abnormal	abnormal

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82.29 GB available

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Files

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kidney\_disease.csv

```
+ Code + Text

contcols.add('specific_gravity')
contcols.add('albumin')
contcols.add('sugar')
print(catcols)

data['coronary_artery_disease']=data.cornary_artery_disease.replace('\tno',
c(data['cornary_artery_disease']))

[ ] data['diabetesmellitus']=data.diabetesmellitus.replace{'\tno':'no','\types
c(data['diabetesmellitus'])

File "<ipython-input-6-aa1607572f48>", line 1

data['diabetesmellitus']=data.diabetesmellitus.replace{'\tno':'no','\types
^
SyntaxError: invalid syntax

SEARCH STACK OVERFLOW

data.describe()
```

kidney\_disease.csv

1 to 10 of 400 entries Filter

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\*\*\*\*\*  
  
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\*\*\*\*\*  
  
Columns : pe  
Counter({'no': 323, 'yes': 76, nan: 1})  
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Columns : rbc  
Counter({'normal': 201, nan: 152, 'abnormal': 47})  
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Counter({'no': 251, 'yes': 147, nan: 2})  
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5	60.0	90.0	1.015	3.0	0.0			not
6	68.0	70.0	1.01	0.0	0.0		normal	not
7	24.0		1.015	2.0	4.0	normal	abnormal	not
8	52.0	100.0	1.015	3.0	0.0	normal	abnormal	pre
9	53.0	90.0	1.02	2.0	0.0	abnormal	abnormal	pre

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Files

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kidney\_disease.csv

```
+ Code + Text
```

```
for i in contcols:
    print("Continuous Columns :",i)
    print(c(data[i]))
    print('***120+*\n')
```

```
Continuous Columns : dm
Counter({'no': 258, 'yes': 134, '\tno': 3, '\tyes': 2, nan: 2, ' yes': 1})
*****

Continuous Columns : rc
Counter({'nan': 130, '5.2': 18, '4.5': 16, '4.9': 14, '4.7': 11, '3.9': 10,
*****

Continuous Columns : rbc
Counter({'normal': 201, nan: 152, 'abnormal': 47})
*****

Continuous Columns : bu
Counter({'46.0': 15, '25.0': 13, '19.0': 11, '40.0': 10, '18.0': 9, '50.0': 9, '15.0': 9
*****

Continuous Columns : pcc
Counter({'notpresent': 354, 'present': 42, nan: 4})
*****

Continuous Columns : sc
```

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6	68.0	70.0	1.01	0.0	0.0		normal	not
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8	52.0	100.0	1.015	3.0	0.0	normal	abnormal	pre
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kidney diseases

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Files

sample\_data

kidney\_disease.csv

+ Code

+ Text

count

mean

std

min

25%

50%

75%

max

id

age

bp

sg

al

su

rbc

pc

400.000000

391.000000

388.000000

353.000000

354.000000

351.000000

199.500000

51.483376

76.469072

1.017408

1.016949

0.45014

115.614301

17.169714

13.683637

0.005717

1.352679

1.09919

0.000000

2.000000

50.000000

1.005000

0.000000

0.000000

99.750000

42.000000

70.000000

1.010000

0.000000

0.000000

199.500000

55.000000

80.000000

1.020000

0.000000

0.000000

299.250000

64.500000

80.000000

1.020000

2.000000

0.000000

399.000000

90.000000

180.000000

1.025000

5.000000

5.000000

[ ] sns.displot(data.age)

[ ] import matplotlib.pyplot as plt

[ ] fig=plt.figure(figsize=(5,5))

[ ] plt.scatter(data['age'].data['blood pressure'].color='blue')

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RAM

Disk

kidney\_disease.csv

1 to 10 of 400 entries

Filter

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9	53.0	90.0	1.02	2.0	0.0	abnormal	abnormal

Show 10 per page

1

2

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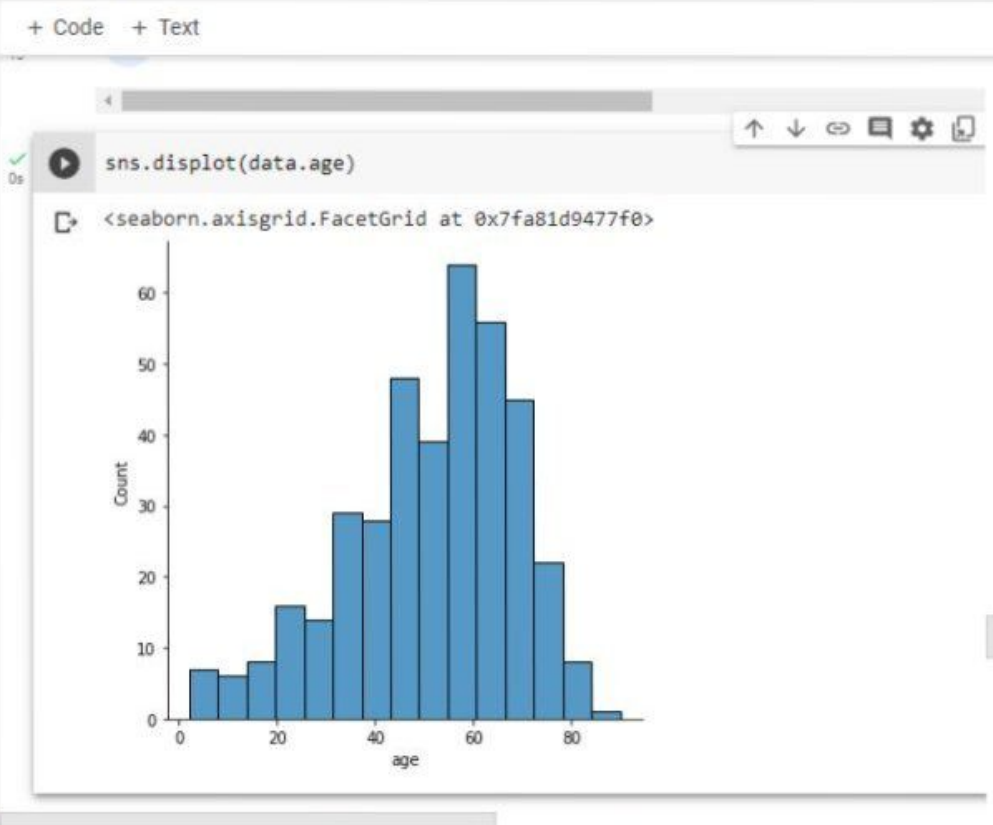
ENG IN

11:01 AM

3/23/2023

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1 to 10 of 400 entries

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2	62.0	80.0	1.01	2.0	3.0	normal	normal
3	48.0	70.0	1.005	4.0	0.0	normal	abnormal
4	51.0	80.0	1.01	2.0	0.0	normal	normal
5	60.0	90.0	1.015	3.0	0.0		
6	68.0	70.0	1.01	0.0	0.0		normal
7	24.0		1.015	2.0	4.0	normal	abnormal
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9	53.0	90.0	1.02	2.0	0.0	abnormal	abnormal

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