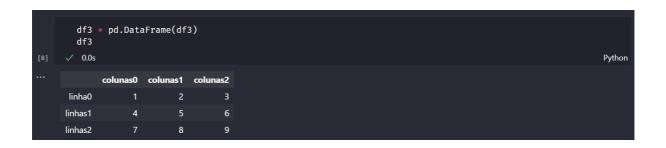
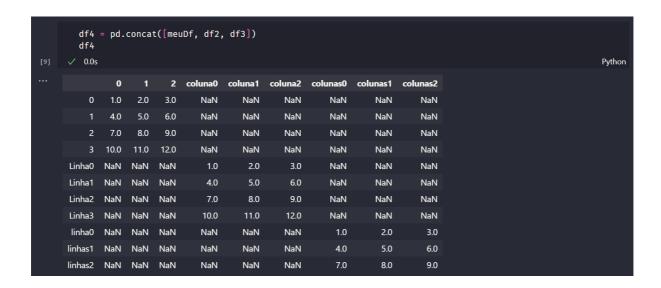
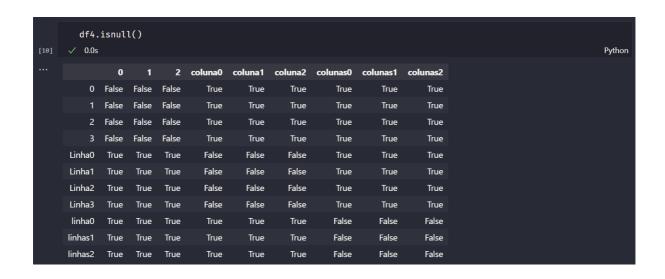
Lab 12/09

Gabriel Farias Ramalho TADS020

```
df2 = pd.DataFrame (meusDados, indice, coluna)
             df2
         ✓ 0.0s
                                                                                                                                                                                                              Python
                       coluna0 coluna1 coluna2
          Linha0
          Linha1
                                4
                                                               6
          Linha2
          Linha3
                               10
                                                              12
             df3 = {
    'colunas0': {'linha0': 1, 'linhas1': 4, 'linhas2': 7},
    'colunas1': {'linha0': 2, 'linhas1': 5, 'linhas2': 8},
    'colunas2': {'linha0': 3, 'linhas1': 6, 'linhas2': 9},
              df3
Python
        {'colunas0': {'linha0': 1, 'linhas1': 4, 'linhas2': 7},
  'colunas1': {'linha0': 2, 'linhas1': 5, 'linhas2': 8},
  'colunas2': {'linha0': 3, 'linhas1': 6, 'linhas2': 9}}
```







```
df4.fillna
                                                                                                        Python
<bound method DataFrame.fillna of</pre>
                                                          2 coluna0 coluna1 coluna2 colunas0 colunas1 \
                                                 NaN
                                                           NaN
         1.0
               2.0 3.0
                               NaN
                                        NaN
                                                                     NaN
         4.0
               5.0
                     6.0
                               NaN
                                        NaN
                                                 NaN
                                                           NaN
                                                                     NaN
         7.0
               8.0
                     9.0
                               NaN
                                        NaN
                                                 NaN
                                                           NaN
                                                                     NaN
                     12.0
         10.0
              11.0
                               NaN
                                        NaN
                                                 NaN
                                                           NaN
                                                                     NaN
                               1.0
                                        2.0
5.0
Linha0
                                                           NaN
         NaN
               NaN
                     NaN
                                                 3.0
                                                                     NaN
Linha1
                               4.0
          NaN
                NaN
                      NaN
                                                 6.0
                                                           NaN
                                                                     NaN
Linha2
                               7.0
                                        8.0
          NaN
                NaN
                      NaN
                                                 9.0
                                                           NaN
                                                                     NaN
Linha3
          NaN
                NaN
                      NaN
                              10.0
                                       11.0
                                                12.0
                                                           NaN
                                                                     NaN
linha0
          NaN
                NaN
                      NaN
                               NaN
                                        NaN
                                                 NaN
                                                           1.0
                                                                     2.0
linhas1
         NaN
                NaN
                               NaN
                                        NaN
                                                 NaN
                                                           4.0
                                                                     5.0
                      NaN
linhas2
         NaN
                                                           7.0
                NaN
                      NaN
                               NaN
                                        NaN
                                                 NaN
                                                                     8.0
         colunas2
              NaN
              NaN
              NaN
              NaN
Linha0
              NaN
Linha1
              NaN
Linha2
              NaN
Linha3
              NaN
linha0
              3.0
linhas1
              6.0
linhas2
              9.0
```

	df5 df5	= df4	.fill	.na(df	4.mean())				
[14]	✓ 0.0s									
		0	1	2	coluna0	coluna1	coluna2	colunas0	colunas1	colunas2
	0	1.0	2.0	3.0	5.5	6.5	7.5	4.0	5.0	6.0
	1	4.0	5.0	6.0	5.5	6.5	7.5	4.0	5.0	6.0
	2	7.0	8.0	9.0	5.5	6.5	7.5	4.0	5.0	6.0
	3	10.0	11.0	12.0	5.5	6.5	7.5	4.0	5.0	6.0
	Linha0	5.5	6.5	7.5	1.0	2.0	3.0	4.0	5.0	6.0
	Linha1	5.5	6.5	7.5	4.0	5.0	6.0	4.0	5.0	6.0
	Linha2	5.5	6.5	7.5	7.0	8.0	9.0	4.0	5.0	6.0
	Linha3	5.5	6.5	7.5	10.0	11.0	12.0	4.0	5.0	6.0
	linha0	5.5	6.5	7.5	5.5	6.5	7.5	1.0	2.0	3.0
	linhas1	5.5	6.5	7.5	5.5	6.5	7.5	4.0	5.0	6.0
	linhas2	5.5	6.5	7.5	5.5	6.5	7.5	7.0	8.0	9.0

[17]	df5 ✓ 0.0s									
	V 0.05									
•••		0	1	2	coluna0	coluna1	coluna2	colunas0	colunas1	colunas2
	0	1.0	2.0	3.0	5.5	6.5	7.5	4.0	5.0	6.0
	1	4.0	5.0	6.0	5.5	6.5	7.5	4.0	5.0	6.0
	2	7.0	8.0	9.0	5.5	6.5	7.5	4.0	5.0	6.0
	3	10.0	11.0	12.0	5.5	6.5	7.5	4.0	5.0	6.0
	Linha0	5.5	6.5	7.5	1.0	2.0	3.0	4.0	5.0	6.0
	Linha1	5.5	6.5	7.5	4.0	5.0	6.0	4.0	5.0	6.0
	Linha2	5.5	6.5	7.5	7.0	8.0	9.0	4.0	5.0	6.0
	Linha3	5.5	6.5	7.5	10.0	11.0	12.0	4.0	5.0	6.0
	linha0	5.5	6.5	7.5	5.5	6.5	7.5	1.0	2.0	3.0
	linhas1	5.5	6.5	7.5	5.5	6.5	7.5	4.0	5.0	6.0
	linhas2	5.5	6.5	7.5	5.5	6.5	7.5	7.0	8.0	9.0

	df5. df5	dropn	ıa(<i>sut</i>	set =	[1], in	place =	True)			
[18]	✓ 0.0s									
		0	1	2	coluna0	coluna1	coluna2	colunas0	colunas1	colunas2
	0	1.0	2.0	3.0	5.5	6.5	7.5	4.0	5.0	6.0
	1	4.0	5.0	6.0	5.5	6.5	7.5	4.0	5.0	6.0
	2	7.0	8.0	9.0	5.5	6.5	7.5	4.0	5.0	6.0
	3	10.0	11.0	12.0	5.5	6.5	7.5	4.0	5.0	6.0
	Linha0	5.5	6.5	7.5	1.0	2.0	3.0	4.0	5.0	6.0
	Linha1	5.5	6.5	7.5	4.0	5.0	6.0	4.0	5.0	6.0
	Linha2	5.5	6.5	7.5	7.0	8.0	9.0	4.0	5.0	6.0
	Linha3	5.5	6.5	7.5	10.0	11.0	12.0	4.0	5.0	6.0
	linha0	5.5	6.5	7.5	5.5	6.5	7.5	1.0	2.0	3.0
	linhas1	5.5	6.5	7.5	5.5	6.5	7.5	4.0	5.0	6.0
	linhas2	5.5	6.5	7.5	5.5	6.5	7.5	7.0	8.0	9.0

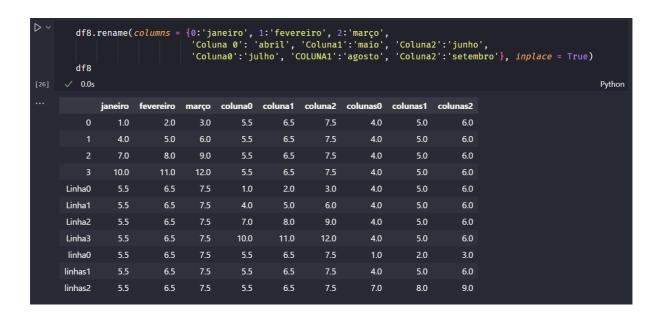
```
df6 = df5.drop(columns = ['coluna0'])
  df6
                                                                                                                        Python
          0
                      2 coluna1 coluna2 colunas0 colunas1 colunas2
                                                           5.0
              2.0
                   3.0
                              6.5
                                                 4.0
                                                                      6.0
    0
                    6.0
                                                 4.0
                                                            5.0
        7.0
              8.0
                    9.0
                                                 4.0
                                                           5.0
                                                                      6.0
    3 10.0 11.0
                   12.0
                              6.5
                                                 4.0
                                                           5.0
                                                                      6.0
Linha0
              6.5
                             2.0
                                                 4.0
                                                           5.0
Linha1
              6.5
                             5.0
                                       6.0
                                                 40
                                                                      60
Linha2
                             8.0
                                                 4.0
                                                                      6.0
              6.5
                                      12.0
                                                 4.0
                                                           5.0
Linha3
                                                                      6.0
linha0
                                                           2.0
linhas1
        5.5 6.5
                                                 4.0
                                                           5.0
                                                                      6.0
linhas2
```

```
df7 = df6.drop(index = [2])
  df7
✓ 0.0s
                                                                                                                    Python
          0
                     2 coluna1 coluna2 colunas0
                                                    colunas1 colunas2
        1.0
                   3.0
                             6.5
                                                4.0
                                                          5.0
                                                                    6.0
         4.0
                             6.5
                                                4.0
                                                          5.0
                                                                    6.0
    3 10.0 11.0 12.0
                             6.5
                                                4.0
                                                          5.0
                                                                    6.0
Linha0
                                      3.0
                                                4.0
                                                                    6.0
Linha1
         5.5
             6.5
                            5.0
                                      6.0
                                                4.0
                                                          5.0
                                                                    6.0
                                      9.0
Linha2
                                                                    6.0
                                                4.0
                                                                    6.0
Linha3
linha0
         5.5 6.5
                             6.5
                                                1.0
                                                                    3.0
                                                4.0
                                                          5.0
                                                                    6.0
linhas1
       5.5 6.5 7.5
                                                                    90
linhas2
                             65
                                                          80
```

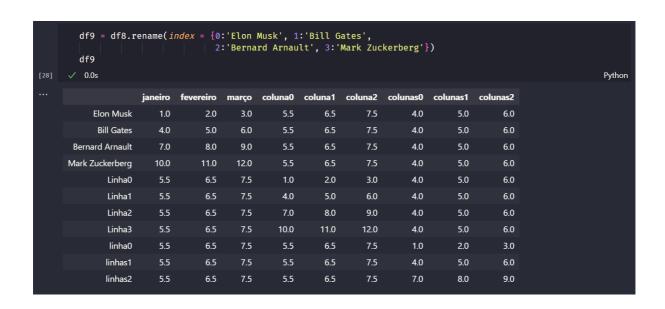
```
| Description of the property of the property
```

[24]	df8. ✓ 0.0s	_	value	s(<i>by</i>	= 'colun	a1')				
[24]	V 0.0s									
		0	1	2	coluna0	coluna1	coluna2	colunas0	colunas1	colunas2
	Linha0	5.5	6.5	7.5	1.0	2.0	3.0	4.0	5.0	6.0
	Linha1	5.5	6.5	7.5	4.0	5.0	6.0	4.0	5.0	6.0
	0	1.0	2.0	3.0	5.5	6.5	7.5	4.0	5.0	6.0
	1	4.0	5.0	6.0	5.5	6.5	7.5	4.0	5.0	6.0
	2	7.0	8.0	9.0	5.5	6.5	7.5	4.0	5.0	6.0
	3	10.0	11.0	12.0	5.5	6.5	7.5	4.0	5.0	6.0
	linha0	5.5	6.5	7.5	5.5	6.5	7.5	1.0	2.0	3.0
	linhas1	5.5	6.5	7.5	5.5	6.5	7.5	4.0	5.0	6.0
	linhas2	5.5	6.5	7.5	5.5	6.5	7.5	7.0	8.0	9.0
	Linha2	5.5	6.5	7.5	7.0	8.0	9.0	4.0	5.0	6.0
	Linha3	5.5	6.5	7.5	10.0	11.0	12.0	4.0	5.0	6.0

	df8. df8	renam	e(<i>col</i>	umns	= {'Colu	na1':'CC	CLUNA1'},	inplace	= True)	
[25]	✓ 0.0s									
		0	1	2	coluna0	coluna1	coluna2	colunas0	colunas1	colunas2
	0	1.0	2.0	3.0	5.5	6.5	7.5	4.0	5.0	6.0
	1	4.0	5.0	6.0	5.5	6.5	7.5	4.0	5.0	6.0
	2	7.0	8.0	9.0	5.5	6.5	7.5	4.0	5.0	6.0
	3	10.0	11.0	12.0	5.5	6.5	7.5	4.0	5.0	6.0
	Linha0	5.5	6.5	7.5	1.0	2.0	3.0	4.0	5.0	6.0
	Linha1	5.5	6.5	7.5	4.0	5.0	6.0	4.0	5.0	6.0
	Linha2	5.5	6.5	7.5	7.0	8.0	9.0	4.0	5.0	6.0
	Linha3	5.5	6.5	7.5	10.0	11.0	12.0	4.0	5.0	6.0
	linha0	5.5	6.5	7.5	5.5	6.5	7.5	1.0	2.0	3.0
	linhas1	5.5	6.5	7.5	5.5	6.5	7.5	4.0	5.0	6.0
	linhas2	5.5	6.5	7.5	5.5	6.5	7.5	7.0	8.0	9.0



[27]	df8. df8 ✓ 0.0s		subset =	['fever	eiro'],	inplace	= True)			
		janeiro	fevereiro	março	coluna0	coluna1	coluna2	colunas0	colunas1	colunas2
	0	1.0	2.0	3.0	5.5	6.5	7.5	4.0	5.0	6.0
	1	4.0	5.0	6.0	5.5	6.5	7.5	4.0	5.0	6.0
	2	7.0	8.0	9.0	5.5	6.5	7.5	4.0	5.0	6.0
	3	10.0	11.0	12.0	5.5	6.5	7.5	4.0	5.0	6.0
	Linha0	5.5	6.5	7.5	1.0	2.0	3.0	4.0	5.0	6.0
	Linha1	5.5	6.5	7.5	4.0	5.0	6.0	4.0	5.0	6.0
	Linha2	5.5	6.5	7.5	7.0	8.0	9.0	4.0	5.0	6.0
	Linha3	5.5	6.5	7.5	10.0	11.0	12.0	4.0	5.0	6.0
	linha0	5.5	6.5	7.5	5.5	6.5	7.5	1.0	2.0	3.0
	linhas1	5.5	6.5	7.5	5.5	6.5	7.5	4.0	5.0	6.0
	linhas2	5.5	6.5	7.5	5.5	6.5	7.5	7.0	8.0	9.0



			et_index	()								
[29]		0.0s										
		index	janeiro	fevereiro	março	coluna0	coluna1	coluna2	colunas0	colunas1	colunas2	
	0	0	1.0	2.0	3.0	5.5	6.5	7.5	4.0	5.0	6.0	
	1	1	4.0	5.0	6.0	5.5	6.5	7.5	4.0	5.0	6.0	
	2	2	7.0	8.0	9.0	5.5	6.5	7.5	4.0	5.0	6.0	
	3	3	10.0	11.0	12.0	5.5	6.5	7.5	4.0	5.0	6.0	
	4	Linha0	5.5	6.5	7.5	1.0	2.0	3.0	4.0	5.0	6.0	
	5	Linha1	5.5	6.5	7.5	4.0	5.0	6.0	4.0	5.0	6.0	
	6	Linha2	5.5	6.5	7.5	7.0	8.0	9.0	4.0	5.0	6.0	
	7	Linha3	5.5	6.5	7.5	10.0	11.0	12.0	4.0	5.0	6.0	
	8	linha0	5.5	6.5	7.5	5.5	6.5	7.5	1.0	2.0	3.0	
	9	linhas1	5.5	6.5	7.5	5.5	6.5	7.5	4.0	5.0	6.0	
	10	linhas2	5.5	6.5	7.5	5.5	6.5	7.5	7.0	8.0	9.0	

