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5/7/2 4 , 6 :0 8 PM 6.ipynb - Colab

http [s://co](file:///s://co) la b .re se a rch.go ogle .co m/d rive/1 zp Nwlc5 R0 UQB\_ k8 KQ\_sTRmZQrThf-3 i1 #scro llTo =9 TL-t\_ E9xq 6 F&p rin tMod e =true 1 /3

5/7/2 4 , 6 :0 8 PM 6.ipynb - Colab

motpri as

|  |  |
| --- | --- |
| motpri as  t=p.re**ad**csv(  f=p.DFrme(**dta**) | 3zp)(o**t/**v**e**achi**n"**r ) |

df

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **I S S** |  | **P** | **P** |  | **S** |
|  | **0** 1 5.1 |  | 3.5 | 14 | 0.2 | Iris-setosa |
|  | **1** 2 49 |  | 3.0 | 14 | 0.2 | Iris-setosa |
|  | **2** 3 47 |  | 3.2 | 13 | 0.2 | Iris-setosa |
|  | **3** 4 46 |  | 3.1 | 15 | 0.2 | Iris-setosa |
|  | **4** 5 5.0 |  | 3.6 | 14 | 0.2 | Iris-setosa |
|  | **...** ... ... |  | ... | ... | ... | ... |
|  | **451** 461 6.7 |  | 3.0 | 5.2 | 2.3 | Iris-virginica |
|  | **461** 471 6.3 |  | 2.5 | 5.0 | 19 | Iris-virginica |
|  | **471** 481 6.5 |  | 3.0 | 5.2 | 2.0 | Iris-virginica |
|  | **481** 491 6.2 |  | 3.4 | 5.4 | 2.3 | Iris-virginica |
|  | **491** 501 5.9 |  | 3.0 | 5.1 | 18 | Iris-virginica |
|  | dfisnul()**.**  501rows × 6coumns  mus )(  dI0 |  |  |  |  |  |
|  | SpalL**e**ngthCm0 |  |  |  |  |  |
|  | SepalWidthCm0  tag**e**CmlhPnL0 |  |  |  |  |  |
|  | W**t**aedCmPhil0 |  |  |  |  |  |
| from | Spci**e**s0  dype:**t**46in  mtpori |  | **train\_test\_split** |  |  |  |
| df[X= = | SpalL**e**ngthCm**'** , SepalWidthCm**'** |  | , PalL**e**ng**t**hCm**'** | , PealWid**t**hCm**'** |  | ] |
| Y=df[ | Spci**e**s**'**] |  |  |  |  |  |
| **X,Yranets**pli=  tnpri | X\_test, V\_train, V\_test  \_Xtaeinshrp)(. | = | Y(X**,ts**iz**e**= | Y. test\_size | 25. | ) |
| tnpri | 4) 12,(  Y\_taeinshrp)(. |  |  |  |  |  |

) **12**,(

tnpri Y\_ta**e**h**s**p)(.

1) 83,(

tnpri \_Xta**e**h**s**p)(.

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motpri as

from motpri

g=G**usian**NB()

gus.f(X,Y**\_train**) V\_train)

/ DataCo

y = column\_or\_ld(y, warn=True)

G

aussianNB()

Y=guan.**prdi**c(X**est**)

print Y\_edrp)(

[ **vgnc Iri-etosa'**

from motipr

=fu**onai**x(**st**,**Y**p**re**d)**mc**

print ( mc )

]15[**0**

( pd**Y\_**s**t,**v**ra**g**e**= V\_pred, micro**'**)

tnpri ( pc )

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=u**a**ys**c**o**r**e ( s**t**,**Y\_**pr**e**d )

tnpri ( ac )



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o=ac**e**sr**l** ( pd **Y\_**s**t,** vg**e**a**r** = V\_pred, average = micro**'** )

tnpri ( rc )

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o**r**at**e**= 1 ac-

tnpri ( o**r**at**e** )

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fYo**t**na=**pe**d**c**li**sr**,()

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http [s://co](file:///s://co) la b .re se a rch.go ogle .co m/d rive/1 zp Nwlc5 R0 UQB\_ k8 KQ\_sTRmZQrThf-3 i1 #scro llTo =9 TL-t\_ E9xq 6 F&p rin tMod e =true 2/3

5/7/2 4 , 6 :0 8 PM 6 .ip yn b - Co la b

http [s://co](file:///s://co) la b .re se a rch.go ogle .co m/d rive/1 zp Nwlc5 R0 UQB\_k8 KQ\_sTRmZQrThf-3 i1 #scro llTo =9 TL-t\_ E9xq 6 F&p rin tMod e =true 3/3