

statistics_assignment

January 13, 2022

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[ ]: import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt

phool= sns.load_dataset("iris")
# phool.head(5)

phool.to_csv("phool_dataset.csv")

phool.describe()
```

```
[ ]:      sepal_length  sepal_width  petal_length  petal_width
count      150.000000    150.000000    150.000000    150.000000
mean         5.843333         3.057333         3.758000         1.199333
std          0.828066         0.435866         1.765298         0.762238
min          4.300000         2.000000         1.000000         0.100000
25%          5.100000         2.800000         1.600000         0.300000
50%          5.800000         3.000000         4.350000         1.300000
75%          6.400000         3.300000         5.100000         1.800000
max          7.900000         4.400000         6.900000         2.500000
```

```
[ ]: phool.median()
```

```
C:\Users\CREATI~1\AppData\Local\Temp\ipykernel_13772\3309047421.py:1:
FutureWarning: Dropping of nuisance columns in DataFrame reductions (with
'numeric_only=None') is deprecated; in a future version this will raise
TypeError.  Select only valid columns before calling the reduction.
    phool.median()
```

```
[ ]: sepal_length    5.80
sepal_width         3.00
petal_length        4.35
petal_width         1.30
dtype: float64
```

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[ ]:
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[ ]: phool.mode()
```

```
[ ]:      sepal_length  sepal_width  petal_length  petal_width  species
0         5.0         3.0         1.4         0.2      setosa
1         NaN         NaN         1.5         NaN  versicolor
2         NaN         NaN         NaN         NaN   virginica
```