

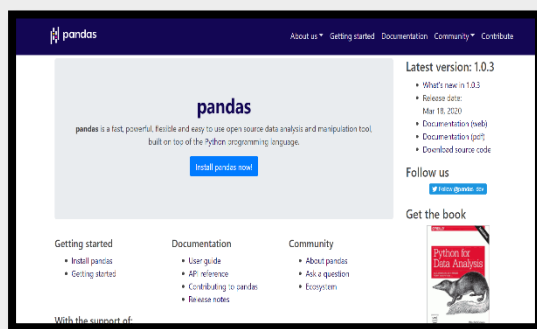
第四週 延伸資源



官方網站



➤ [NumPy 官方網站](https://numpy.org)



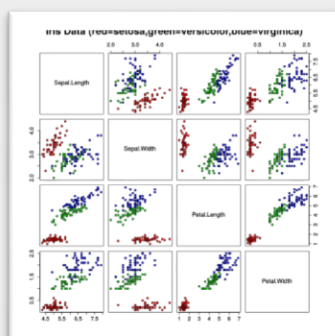
➤ [Pandas 官方網站](https://pandas.pydata.org)



➤ [Matplotlib 官方網站](https://matplotlib.org)



資料集介紹



該虹膜花數據集或 Fisher 的虹膜數據集是一個多變量數據集由英國推出統計學家和生物學家羅納德·費舍爾在他 1936 年論文中的分類問題，採用多次測量的作為的例子線性判別分析。

更多介紹：[Iris 鳶尾花資料集](https://www.kaggle.com/competitions/iris-flower-dataset)

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# A, B1-B6, B7B, used in Belsley, Gun & Welsch, 'Regression diagnostics
# Belsley, 1980. A.D. various transformations are used in the table on
# ex 244-261 of the latter.

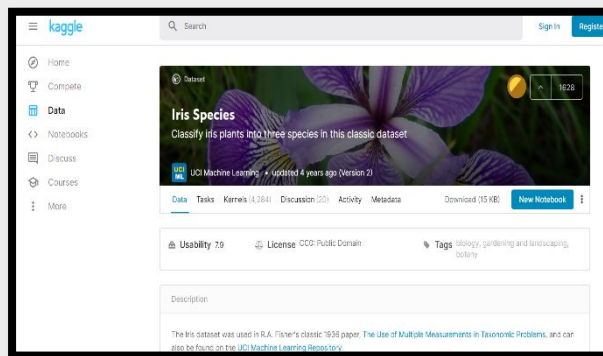
Sales in order:
# per capita crime rate by town
proportion of residential land zoned for lots over 20,000 sq.ft.
proportion of nonretail business acres per town
Charles River dummy variable (= 1 if tract bounds river; 0 otherwise)
nitric oxide concentration (parts per 10 million)
average number of rooms per dwelling
proportion of owner-occupied units built prior to 1950
weighted distances to five Boston employment centres
index of accessibility to radial highways
full-valued property-tax rate per $10,000
pupil-teacher ratio by town
B10B10 = 0.0312 where B10 is the proportion of blacks by town
B7 = lower status of the population
# Median value of owner-occupied homes in $1000's

#032 18.00 2.328 0 0.5380 6.5750 65.20 4.0900 1 296.0 15.30
0.90 4.80 20.00
2711 0.00 7.870 0 0.6690 6.4210 79.90 4.9671 2 242.0 17.80
0.90 0.54 21.00
2729 0.00 7.870 0 0.6690 7.1850 61.10 4.9671 2 242.0 17.80
2.80 0.00 10.70
5317 0.00 7.180 0 0.4580 6.9980 45.80 6.0622 3 222.0 18.70
4.63 2.94 20.00
4965 0.00 7.180 0 0.4580 7.1470 64.20 6.0622 3 222.0 18.70
6.90 5.33 20.00
2885 0.00 7.180 0 0.4580 6.4300 68.70 6.0622 3 222.0 18.70
8.12 5.22 20.70
8529 12.90 7.870 0 0.5240 6.8120 66.60 5.9400 3 312.0 18.20

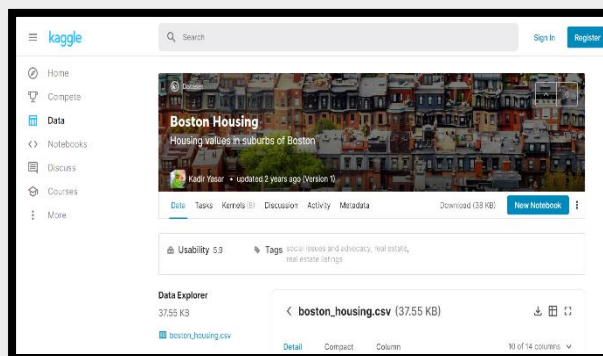
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● Boston Housing 資料集

Kaggle 網站



➤ Kaggle-Iris Species



➤ Kaggle-Boston Housing