K-means Ejercicio Dr. Atoany

https://towardsdatascience.com/k-means-clustering-with-scikit-learn-6b47a369a83c

Dataset

```
import matplotlib.pyplot as plt
from sklearn.datasets import make_blobs

import pandas as pd
datos_mall = pd.read_csv("Mall_Customers.csv")

ID = datos_mall['CustomerID']
Gender = datos_mall['Gender']
Age = datos_mall['Age']
Income = datos_mall['Annual Income (k$)']
Spend = datos_mall['Spending Score (1-100)']
```

K-means

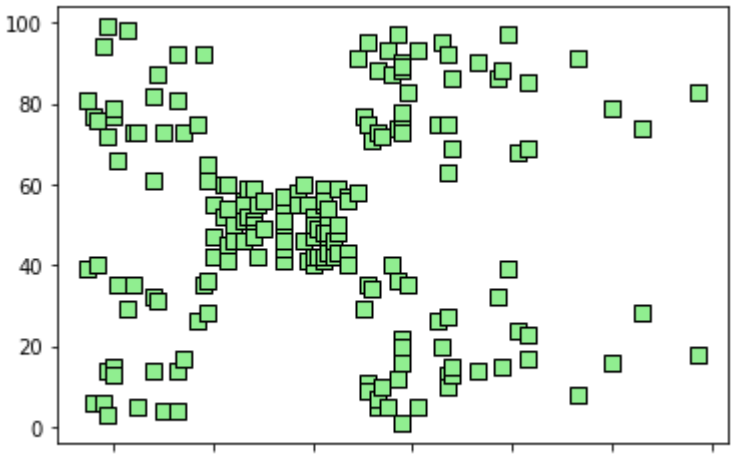
```
from sklearn.cluster import KMeans
```

Visualization

```
plt.scatter(
    Income, Spend,
    s=50, c='lightgreen',
    marker='s', edgecolor='black',
    label='cluster 1'
)
```

```
from sklearn.cluster import KMeans

km = KMeans(
    n_clusters=3, init='random',
    n_init=10, max_iter=300,
    tol=1e-04, random_state=0
)
```



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