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# Mini-projeto K-Means

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# Prática / Experimentos



# Prática / Experimentos

## sklearn.cluster.KMeans


```
class sklearn.cluster. KMeans (n_clusters=8, init='k-means++', n_init=10, max_iter=300, tol=0.0001,  
precompute_distances='auto', verbose=0, random_state=None, copy_x=True, n_jobs=None,  
algorithm='auto')
```

[\[source\]](#)

<https://scikit-learn.org/stable/modules/generated/sklearn.cluster.KMeans.html>

# Prática / Experimentos

# kaggle

 Dataset

## U.S. News and World Report's College Data

From the "ISLR" R package



Jason Nguyen • updated 2 years ago (Version 1)

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## Conjunto de Dados Dados da Faculdade de Notícias dos EUA e do Relatório Mundial

777 Observações, 18Atributos (17 Descritores, 1 Atributo de Classe Binária)

Objetivo: Identificar se uma faculdade é pública ou privada

Link: <https://www.kaggle.com/flyingwombat/us-news-and-world-reports-college-data>

# Prática / Experimentos



[https://colab.research.google.com/drive/1HghRqEyy6WO949smwB0a29rMExHgO\\_kY](https://colab.research.google.com/drive/1HghRqEyy6WO949smwB0a29rMExHgO_kY)

**Link Elbow Method:**

<https://towardsdatascience.com/k-means-clustering-algorithm-applications-evaluation-methods-and-drawbacks-aa03e644b48a>