



The certification for the completion of the module

## Clustering with scikit-learn

Has been awarded to

**Youcef DJIDJELLI**

issued on 06/02/2023 in Paris



Certification number

6d0980f4-c8fd-4f45-9852-280045f63d8b

A handwritten signature in black ink, appearing to read "Charles Sutton".

Charles Sutton  
Lead Data Scientist