



The certification for the completion of the module

## Dimensionality Reduction with scikit-learn

Has been awarded to

**Youcef DJIDJELLI**

issued on 21/02/2023 in Paris



Certification number

a4709e1e-be37-4b2b-9674-0920423f94bf

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

Charles Sutton  
Lead Data Scientist