

The logo for NobleProg, featuring the company name in a blue, sans-serif font.

The World's Local Training Provider

course completion

CERTIFICATE

has been presented to

Ibrahim Ahmed Hamakarim

for the completion of

**A Practical Introduction to Data
Analysis and Big Data**

Trainer
Ahmed Yossef

Duration
5 Days

date of issue:
2022-03-04

e-certificate:
<https://cert.nobleprog.com/authenticate>
Certificate ID: 669995
Authentication Code: 14c88