

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

**NobleProg**

The World's Local Training Provider

course completion

# CERTIFICATE

has been presented to

**Mateusz Dutka**

for the completion of

**Wstęp do analizy danych dla Big Data**

Trainer  
Anna Kotarba

Duration  
**5 Days**

date of issue:  
**2022-09-09**

e-certificate:  
<https://cert.nobleprog.com/authenticate>  
Certificate ID: 692863  
Authentication Code: 5618a