



Sep 18, 2023

**Abdelhamid Maaroufi**

has successfully completed

**Data Science Methodology**

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, appearing to read "Alex Akson", written over a horizontal dotted line.

Alex Akson, Ph.D.  
Data Scientist

A handwritten signature in black ink, appearing to read "Polong Lin", written over a horizontal dotted line.

Polong Lin  
Data Scientist, IBM

**COURSE  
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Coursera has confirmed the identity of this individual and their participation in the course.