

# CERTIFICATE OF COMPLETION



**DANIEL BORGES CREMA**

completed the online course with an estimated workload of 6 hours.

Finished at May 23, 2025

 DanielCrema

Course\_

**PANDAS: DATA TRANSFORMATION  
AND MANIPULATION**

ORACLE + alura

  
**Guilherme Silveira**  
Coordinator

  
**Alexandre Maioral**  
Presidente Oracle Brasil

