



Feb 18, 2021

TOMAS RICARDO BASILE
ALVAREZ

has successfully completed

Introduction to Data Science in Python

an online non-credit course authorized by University of Michigan and offered through
Coursera

A handwritten signature in dark blue ink, appearing to read 'Chris Brooks'.

Christopher Brooks
Research Assistant Professor
School of Information

COURSE
CERTIFICATE



Verify at coursera.org/verify/QNJCKDKS2GR4

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



Jun 14, 2021

TOMAS RICARDO BASILE
ALVAREZ

has successfully completed

Applied Plotting, Charting & Data Representation
in Python

an online non-credit course authorized by University of Michigan and offered through
Coursera

A handwritten signature in dark blue ink, appearing to read 'Christopher Brooks'.

Christopher Brooks
Research Assistant Professor
School of Information

COURSE
CERTIFICATE



Verify at coursera.org/verify/Q4BL4MBK7MUQ

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



Jun 16, 2021

TOMAS RICARDO BASILE
ALVAREZ

has successfully completed

Applied Machine Learning in Python

an online non-credit course authorized by University of Michigan and offered through
Coursera

A handwritten signature in black ink that reads 'KCThompson'.

Kevyn Collins-Thompson
Associate Professor
School of Information

COURSE
CERTIFICATE



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