

# *Professional* Certificate



This is to certify that

## Jocelyn Carmen Dumlao

successfully completed all courses and received passing grades  
for a Professional Certificate in

## Data Science

a program offered by HarvardX, in collaboration with edX.

A handwritten signature in black ink, appearing to read "Rafael Irizarry".

**Rafael Irizarry**

Professor of Biostatistics

*Harvard T.H. Chan School of Public Health*



PROFESSIONAL CERTIFICATE  
Issued May 2021

VALID CERTIFICATE ID  
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