

Verified Certificate



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

Rafael Irizarry

Professor of Biostatistics

Harvard T.H. Chan School of Public Health

This is to certify that

Hongtao Ma

successfully completed and received a passing grade in

PH125.8x: Data Science: Machine Learning

a course of study offered by HarvardX, an online learning initiative of Harvard University.



Verified Certificate

Issued December 18, 2024

Valid Certificate ID

98c093d1b5b2490a9d3faee9a7c127ab