



This is to certify that

Rafael Irizarry
Professor of Biostatistics

Harvard T.H. Chan School of Public Health

Omar Imanov

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 January 1, 2024 Valid Certificate ID bd435ab2f6d4444b9aa9e7cd32790cb0