

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



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

Ozlem Gulsum Kilickaya

successfully completed and received a passing grade in

PH125.3x: Data Science: Probability

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



VERIFIED CERTIFICATE
Issued October 17, 2019

VALID CERTIFICATE ID
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