



Rafael Irizarry

Professor of Biostatistics

Harvard T.H. Chan School of Public Health

This is to certify that

Brendan Hawk

successfully completed and received a passing grade in

PH125.5x: Data Science: Productivity Tools

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



Verified CertificateIssued December 5, 2019

Valid Certificate ID 32ed96e16a794fb49c67cfc7915815ce