



This is to certify that

Pavlos Protopapas Scientific Program Director Harvard

Mohsen Maoodhah

successfully completed and received a passing grade in

CS109x: Introduction to Data Science with **Python**

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



Verified Certificate Issued July 14, 2024

Valid Certificate ID d04749d70fa347baaac82d231877b7ce