

HarvardX

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This is to certify that

## **Emanuela Pannini**

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 February 15, 2024 Valid Certificate ID e7a80819cf7f471ba4bdc8674caa31d1