

# 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

**Phua Rui Bin Ryan**

successfully completed and received a passing grade in

**PH125.6x: Data Science: Wrangling**

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



VERIFIED CERTIFICATE  
Issued May 8, 2020

VALID CERTIFICATE ID  
[577c8ab08ab24bdf80c124acc865654a](#)