



JOHNS HOPKINS  
UNIVERSITY

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# Saad Lachhab

has successfully completed

## Practical Machine Learning

an online non-credit course authorized by Johns Hopkins University and offered through Coursera

A handwritten signature in black ink, appearing to read "Jeff Leek, Roger Peng, Brian Caffo".

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD  
Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

## COURSE CERTIFICATE



Verify at [coursera.org/verify/9G3ZFDXBMTC8](https://coursera.org/verify/9G3ZFDXBMTC8)

Coursera has confirmed the identity of this individual and  
their participation in the course.