



JOHNS HOPKINS  
UNIVERSITY

12/17/2017

Edward Russell

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/745FB33DDKGD](https://coursera.org/verify/745FB33DDKGD)

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