



04/22/2018

Alexander Kalankhodzhaev

has successfully completed

Big Data Analysis with Scala and Spark

an online non-credit course authorized by École Polytechnique Fédérale de Lausanne and offered through Coursera

Heather Miller
École Polytechnique Fédérale de Lausanne

COURSE CERTIFICATE



Verify at coursera.org/verify/RSDGRM5Y6ECZ

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

This online offering does not reflect the entire curriculum offered to students enrolled at École polytechnique fédérale de Lausanne. This document does not affirm that you were enrolled as an École polytechnique fédérale de Lausanne student in any way; it does not confer an École polytechnique fédérale de Lausanne credit; it does not confer an École polytechnique fédérale de Lausanne degree or certificate.