COGNITIVE CLASS.ai

An IBM Initiative
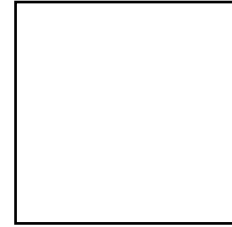
This is to certify that

Jelmer de Boer

successfully completed and received a passing grade in

Analyzing Big Data in R using Apache Spark

(RP0105EN, provided by Cognitive Class)

an online course on **Cognitive Class**.

November 27, 2019

Authenticity of this certificate can be validated by going to:
https://courses.cognitiveclass.ai/certificates/6ca8f20a4d214067ab7f45135ca4b210