# COGNITIVE CLASS.ai

**An IBM Initiative**
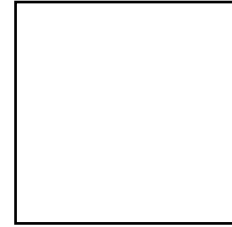
This is to certify that

# Jelmer de Boer

successfully completed and received a passing grade in

# Spark MLlIB

(BD0221EN, provided by **Big Data University**)

an online course on **Cognitive Class**.

**November 26, 2019**

Authenticity of this certificate can be validated by going to:
**https://courses.cognitiveclass.ai/certificates/827a91562f6942e7ae2b172e8e5c14bc**