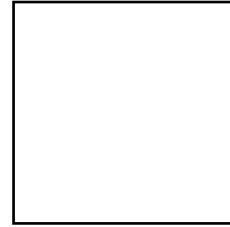




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This is to certify that

**Jelmer de Boer**

successfully completed and received a passing grade in

**MapReduce and YARN**

(BD0115EN, provided by Big Data University)

an online course on **Cognitive Class**.

**November 7, 2019**

Authenticity of this certificate can be validated by going to:

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