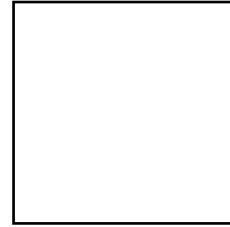




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This is to certify that

Jelmer de Boer

successfully completed and received a passing grade in

**Exploring Spark's
GraphX**

(BD0223EN, provided by Big Data University)

an online course on **Cognitive Class**.

November 26, 2019

Authenticity of this certificate can be validated by going to:

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