## Yandex

05/04/2019

## Jan Helcl

has successfully completed

Big Data Analysis: Hive, Spark SQL, DataFrames and GraphFrames

an online non-credit course authorized by Yandex and offered through Coursera

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Natalia Pritykovskaya, Pavel Klemenkov, Pavel Mezentsev, Alexey A. Dral

## COURSE CERTIFICATE



Verify at coursera.org/verify/YDA98R24QM8L

Coursera has confirmed the identity of this individual and  $\mbox{their participation in the course}. \label{eq:course}$