

Verified Certificate

ColumbiaX

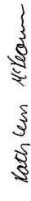
This is to certify that

Dawit Shibabaw Bogale

successfully completed and received a passing grade in

DS102X: Machine Learning for Data Science and Analytics

a course of study offered by ColumbiaX, an online learning initiative of Columbia University.



Kathy McKeown
Director of the Data Science Institute
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