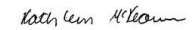


VERIFIED

CERTIFICATE *of* ACHIEVEMENT

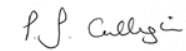
ColumbiaX



Kathy McKeown

Director of the Data Science Institute
Henry and Gertrude Rothschild Professor of Computer Science

Columbia University



Patricia Culligan

Associate Director of the Data Science Institute
Professor of Civil Engineering

Columbia University



Garud Iyengar

Professor of Industrial Engineering and
Operations Research, Chair of the Department

Columbia University



Tian Zheng

Associate Professor of Statistics

Columbia University

This is to certify that

Tino Kanngießer

successfully completed and received a passing grade in

DS101X: Statistical Thinking for Data Science and Analytics

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



VERIFIED CERTIFICATE
Issued October 16, 2016

VALID CERTIFICATE ID
[5cada875c6b54240b49209a40b855caa](https://courses.edx.org/certificates/5cada875c6b54240b49209a40b855caa)