## HONOR CODE CERTIFICATE

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

### abdul samad

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.



VALID CERTIFICATE ID 6814e0ca5b254aa092d6d6264405b0d2