



Nov 11, 2021

# Sheikh Muhammad Qasim

has successfully completed

## Analyze Survey Data using Principal Component Analysis

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

*Tricia Bagley*

Tricia Bagley, M.S.  
Data Scientist  
Freedom Learning Group

### COURSE CERTIFICATE



Verify at [coursera.org/verify/Q4DZF2GLVMTM](https://coursera.org/verify/Q4DZF2GLVMTM)

Coursera has confirmed the identity of this individual and their participation in the course.