

CERTIFICATE

of Participation

The University of KwaZulu-Natal (UKZN), South Africa, in collaboration with the Harvard T. H. Chan School of Public Health (HSPH), USA, and Heidelberg Institute of Global Health (HIGH), Germany, awards this certificate to:

Rehema Shungu

for your participation in the Machine Learning short course of the WASHA TAKWIMU (Working on Application for Data Science and Health in Africa) Research Training Program on Harnessing Data Science for Global Health Priorities in Africa (DSI-A). The course content covered the following:

- Introduction to Machine Learning.
- Conditional probabilities, logistic regression, and Naïve Bayes. The k-
- nearest neighbors (KNN) algorithm.
- Linear and Quadratic Discriminant Analysis.
- Regression and Classification Trees.
- Ridge and LASSO Regression.
- support vector machine (SVM) algorithm.
- Multinomial Regression.

6th - 17th May 2024

Durban, KwaZulu-Natal, South Africa



Professor Henry Mwambi

Principal Investigator: DSI-A, UKZN



Dr. Nisha Nadesan-Reddy

Project Manager: DSI-A, UKZN