



**CALL FOR APPLICATIONS TO MASTERS SCHOLARSHIPS UNDER
THE RESEARCH TRAINING PROGRAM IN DATA SCIENCE FOR
HEALTH IN RWANDA**

I. Background

Data Science for Health has experienced major technological advancements in the past decades, spanning a spectrum from research to practice. These advances have led to an overwhelming amount of new and actionable knowledge that can be used to design and deliver health care system changes to improve population health at a regional and global scale. University of Rwanda (UR) in partnership with Washington University in St. Louis (WUSTL) and the African Institute for Mathematical Sciences (AIMS) have been awarded a grant from NIH to develop a U2R Research Training Program to harness the power of Data Science to address healthcare challenges in Rwanda.

Among the specific objectives of the training program is to expand the existing model curriculum for innovative and interdisciplinary in Data Science for health research and practice by identifying additional competencies in three major scientific areas: 1) computer science and informatics; 2) statistics and mathematics; and 3) biomedical sciences and public health.

To achieve these aims, the training program targets highly qualified trainees with demonstrated interest in the application of Data Science concepts and techniques to the study and research of relevant public and population health problems in Rwanda at master's level. The program focuses on competencies in three major disciplines: 1) computer science and informatics; 2) statistics and mathematics; and 3) biomedical sciences and public health.

II. Call for application

We call applicants for seven fully funded masters for a duration of 2 years.

III. Funding

The scholarship will cover tuition fees, expenses for research, stipend, and travel costs to where the courses/research will be offered from. Applicants who already have another scholarship are not eligible.



IV. Application requirements

The applicants are expected to clearly demonstrate interest in data science for health, as well as articulate plans for research to pursue as part of MSc studies career goals.

Successful applicants will be sponsored by the research training in data science for health in Rwanda. The applicant must fulfill the following:

1. Holder of a bachelor's degree or equivalent in a relevant field, in mathematics, statistics, informatics, biomedical sciences and public health
2. First class degree or second-class upper division in the above field
3. Demonstrate the ability to think and work independently and in a team
4. Be a Rwandan
5. Female candidates are particularly encouraged to apply

VI. Application file

The applicants will submit the following documents to UR:

1. Application letter addressed to the Director of the Centre for Postgraduate Studies, UR
2. Motivation letter: should address commitment, statement of goals, objectives, and reasons for interest in the studies
3. A project proposal/research concept note (maximum 3 pages)
 - o Research concept includes a summary of the background, research questions, objectives, methodology and the research plan developed on a chosen topic in the area of Data Science for Health
4. Curriculum Vitae
5. Copy of bachelor's degree and transcripts
6. Copy of National Identity Card
7. Copy of admission for admitted applicants

VII. Selection methodology

Candidates will be selected based on the academic excellence, submitted proposal and interviews. Only candidates who fulfill the minimum set score will be invited for further interview. Based on the academic excellence, proposal and interview results the finalist candidates will be awarded a scholarship.



VIII. How to apply and key dates

Applicants are requested to send documents as listed above by email to the scholarship officer (ur-cpgscholarship@ur.ac.rw) at UR-CPGS, and a copy to dktumusiime@gmail.com project PI.

Deadline for application: 08th May 2022

For more information, contact:

Project PI, Associate Professor David K. Tumusiime
dktumusiime@gmail.com, Phone: 0788433962

Done at Kigali, April 11th, 2022

Prof. Nosa O. EGIEBOR

Deputy Vice Chancellor for Academic Affairs and Research

