



CALL FOR APPLICATIONS OF RESEARCH FELLOWSHIP IN DATA SCIENCE FOR HEALTH AT THE UNIVERSITY OF 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. The University of Rwanda (UR), in partnership with Washington University in St. Louis (WUSTL) and the African Institute for Mathematical Sciences (AIMS), was awarded a grant from the NIH to develop a U2R Research Training Program that harnesses 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 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 the 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 a funded research fellowship for a duration of 5 months, renewable upon the availability of funds and students' performance.

III. Funding

The fellowship will cover tuition fees, stipend, and travel costs to where the courses/research will be offered.

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 their MSc studies career goals.



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

- Registered/Admitted in a Master's degree program at the University of Rwanda in a relevant field, including Data Science, Mathematics, Statistics, Health Informatics, Public Health, or Medical Sciences.
- A first-class degree or second-class upper division bachelor's degree in the above field is required.
- Demonstrate the ability to think and work independently and in a team.
- Be a Rwandan
- Female candidates are particularly encouraged to apply.
- Applicant must be non-employed and able to commit full-time to the fellowship programme.
- Male applicants should not be older than 30 years, while female applicants should not be older than 35 years

V. 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 indicate commitment, statement of goals, objectives, and reasons for interest in the studies.
3. A project proposal/research concept note (maximum 3 pages):
The research concept should include a summary of the background, research questions, objectives, methodology, and the research plan developed on the chosen topic in Data Science for Health. The student is required to produce a research paper within the period covered by the fellowship.
4. Curriculum Vitae
5. Copy of bachelor's degree and transcripts
6. Copy of National Identity Card
7. Copy of proof of admission and registration in Masters program

VI. Selection methodology

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

VII. How to apply and key dates

- (1) Applicants are requested to send documents as listed above on the link:



<https://forms.gle/jUivFL5Xe5kSVDM46>. In addition, all the documents submitted on the link must be zipped in one folder, named “Your name application in DST-HIRWA,” and be sent by email to the scholarship officer, ur-cpgscholarship@ur.ac.rw at UR-CPGS, Tel:0792988304 and a copy to d.tumusiime@ur.ac.rw / dktumusiime@gmail.com and dkayiranga@ur.ac.rw the PI and program faculty, respectively.

(2) Deadline for application: 6th February 2026 at 2.00 PM

Following the review of applications, shortlisted candidates will be notified and invited to participate in an interview.

For more information, contact :

Professor David K. Tumusiime at d.tumusiime@ur.ac.rw / dktumusiime@gmail.com, or Phone: 0788749398, Dr. Dieudonne Kayiranga at dkayiranga@ur.ac.rw or phone number 0783009299.

Done at Kigali, January ...1.6, 2026


Assoc. Prof. KAYIHURA Muganga Didas
Acting Vice Chancellor

