Consultant for R training at DGHS Bangladesh

Background

As part of the Data Impact activities of the Bloomberg Data for Health Initiative, Vital Strategies is supporting the Directorate General of Health Services in Bangladesh in analyzing and disseminating mortality data. Part of these activities involve training staff in R to prepare data in specific formats and structures to ease its analysis and dissemination and analyze the data to create decisions to inform decision-making processes.

Activities

This consultancy aims to provide technical training and script writing support for government staff in Bangladesh, on the transformation and analysis of data using R statistical software. The DGHS staff have basic or no knowledge of R and require more specific training to help ease the burden of manual data transformation with the concrete purpose of having a Mortality report at the end of the training. The consultancy should focus on two parts: introductory R training and support to develop specific mortality analysis.

1. Introductory R training
   - Common R environment and functionality uses
   - RStudio overview
   - R coding syntax
   - R Packages and their installation
   - Import and export data from CSV and Excel files
   - Data manipulation, cleaning, formatting and summarizing "tidyverse"
   - Filtering rows
   - Creating columns
   - Date handling
   - Grouping data
   - Appending and joining datasets
   - Data visualization and ggplot

2. Support on mortality data analysis
   - Creating a Data analysis plan
   - Develop an R script that can automate mortality data analysis and report creation

Format

The preference for the training is to be delivered online via Zoom and support the implementation of the analysis. Expected a course of 25 to 30 hours delivered over 6 weeks.

Consultant is expected to join preparatory meetings and to have flexibility working in different time zones.

Deliverables

Consultant will work closely with the DI team and members of DGHS and the activities are expected to be delivered between February and April 2024.

- Development of specific curriculum to deliver a training that has as an output the mortality analysis report
- R introductory training delivery with office hours
- Mortality report creation

Qualifications of the consultant

- Post-graduate degree in a relevant field (biostatistics, public health, policy analysis and evaluation, epidemiology, etc.)
- Minimum of 5 years of work experience in public health data analysis using R
- Previous experience mentoring and supervising multi-disciplinary teams learning R
- Experience developing training content and successful delivery of R workshops
- Previous experience working with government stakeholders.
- Proficient user of R
- Ability to work independently.
- Strong organizational and verbal and written communication skills.
- Knowledge of and previous working experience in Southeast Asian Region is a plus.

Other essential requirements

- Ability to work with various time zones.
- Available to start the consultancy no later than 15 February 2024.
- Note that contracts are executed and paid in the currency of the country where the consultant is based and that payments are tied to deliverables.

Instructions for Respondents

1. Contact Person. Independent contractors shall submit a CV to jgascon@vitalstrategies.org. Please use "Bangladesh R Consultant" as subject in your submission.
2. Provide a quote for the total consultancy, including an estimate of the days needed per deliverable and the daily rate.
3. Note any additional services you provide that you think may benefit this project.

Due Date. Interest must be submitted in PDF format by 31 January 2024, 5:00 PM EST.