

Concept
for
R-Hackfest/Hackathon October scheduled for Oct. 28, 2022
on
Ethiopians and their Mobile Phones

Guideline / Structure:

Multidisciplinary group works on innovative solutions. A brief introduction into R-Hackathon provides the floor for the group work. Within a given time, R-Hackathon is framed by the steps: (1) Group Building, (2) Visualise data about shock and displacements, (3) Terms of Reference for Project Proposal.

Objective:

Visualise the given data of the 2018/19 Ethiopian Socioeconomic Survey (<https://nadre.ethernet.edu.et/record/20551#.Y1i2IC8Rq8V>) Section 11b (respective questionnaire: household survey p. 16) and find out something interesting, which needs to be explored further indepth. Based on the findings draft either a presentation or the terms of reference for a potential call for proposals that your Team wants to explore more in-depth.

Approach:

1. Express the relation of the selected variables (use R, Python or other coding language to visualise what should be presented and analysed).
2. Discuss the visualisation within your group in order to find common understanding for the variables, which should be presented.
3. Select one or two variables of specific interest.
4. Draft the Terms of Reference for a possible call for proposals for the chosen indicator in order to solve the problem discovered.

Time:

Start at 8:30 a.m.EAT; Submission of the presentation: 16:30 EAT by the latest.

Location:

On remote or/and at your university - wherever you'd like to organise this monthly R-Hackathon

Steps:

- 8:30 Introduction and register on Slack Citizen Science R-Hackathon Ethiopia (https://join.slack.com/t/rhackfest/shared_invite/zt-1gvsuxc6q-L8Wuvr0FXm83Aa8GcLG~Mg)
- 9:00 Share the name of your team in the #citizen-science-hackathon28102022
- 12:00 Communicate the problem found on [https:// rhackfest.slack.com](https://rhackfest.slack.com); channel: #citizen-science-hackathon28102022
- 15:00 Upload your findings as power point (ppt) submission on [https:// rhackfest.slack.com](https://rhackfest.slack.com); channel: #citizen-science-hackathon28102022. The presentation includes the R coding, the Terms of Reference for a Call for (a) suggested action(s)

Database:

Selected data from Worldbank Microdata for Ethiopia available on the National Academic Repository of Ethiopia (NADRE):

https://nadre.ethernet.edu.et/record/20523/files/sect11b1_hh_w4.csv

The corresponding questionnaire is the household survey section 11b (page 16):

<https://nadre.ethernet.edu.et/record/20551#.Y1i2IC8Rq8V>

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