



Reusable R building blocks and training to support data analysts in Africa making maps from health data.

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The afrimapr project started in 2020 with a grant from the Wellcome Open Research Fund. It consists of a small team of analysts and R coders based in the UK and Africa. afrimapr is developing R components that analysts can put together to make maps, and other visualisations, of health data in Africa. These maps and visualisations can be ad-hoc graphics, reproducible reports and web applications. They can be driven by open data or other data sources that analysts have access to. As such they can augment organisational data systems. The core idea is that local analysts in Africa can be supported to make their own products to address local issues. To help with that, afrimapr is also developing training resources targeted at analysts in Africa. afrimapr is active within communities seeking to improve the use of health data in Africa and other low income settings.

Links :

Open-source code :

<https://github.com/afrimapr>

Demo applications :

African health facility open data

https://andysouth.shinyapps.io/healthsites_viewer/

African admin boundaries

<https://andysouth.shinyapps.io/afriadmin-compare/>

subnational covid data

<https://andysouth.shinyapps.io/africovidviewer/>

DRC vaccine rollout prototype

https://andysouth.shinyapps.io/drc_prototype_app/

Training :

Intro

<https://andysouth.shinyapps.io/intro-to-spatial-r/>

R mapping crash course

<https://andysouth.shinyapps.io/afrilearnr-crash-course/>

Joining spreadsheet data to a map

<https://andysouth.shinyapps.io/join-admin/>

Paper on health facility data :

<https://wellcomeopenresearch.org/articles/5-157>

Selected blog posts :

[Introducing new online tutorials](#)

[Admin boundaries - making other data more operationally useful](#)