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Enhancing Population Health Research Using SAPRIN HDSS Data Science Platform

Tuesday, 5 December 2023 11:00 (20 minutes)

The South African Population Research Infrastructure Network (SAPRIN) is a prominent institution within South Africa dedicated to enhancing and disseminating high-quality population-based research. SAPRIN's central goal is to provide insights into the country's demographic, health, and social structures and trends, thereby aiding evidence-based decision-making. To bolster its research capabilities and provide streamlined access to crucial data for researchers, SAPRIN intends to launch a cutting-edge data science platform. This innovative platform transcends the limitations of traditional data repositories, integrating capabilities that empower data users to engage with the shared SAPRIN data interactively, utilising illustrative workflows and tutorials. A prime example of this is the incorporation of Jupyter Notebooks, a popular tool among data scientists and researchers, which facilitates the creation and dissemination of documents featuring live code, equations, visualisations, and explanatory text. the proposed project holds the potential to transform the landscape of population health research in South Africa, driving it towards a more data-driven, efficient, and responsive domain.

Student or Postdoc?

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