Riinu Pius

Edinburgh, UK / firstname@lastname.cloud

Employment

Senior Data Manager: Jan 2019 to Present, University of Edinburgh, UK

Data Manager: May 2016 to Jan 2019, University of Edinburgh, UK

Clinical data management for sensitive and identifiable data. Information governance. Database and CRF set-up using EDC systems and SQL. Quality assurance and data analysis using R/RStudio and Shiny. System administration of virtual machines. Version control and GitHub management. Training and supervision of junior colleagues and students.

• Published book "R for Health Data Science" with Chapman & Hall/CRC Press

• Guinness world record for largest collaborative study: database set-up & data quality (REDCap, SQL. R)

• Migrated a critical COVID-19 database for scalability using SQL

• Third author for a study published in The Lancet

• Taught data analysis in R to over 300 healthcare professionals by creating HealthyR Notebooks

• Received over £50k in funding to disseminate open research in low and middle income countries (as PI)

• Ensured new team members hit the ground running by creating an onboarding process for tech set-up

• Keynote speaker at Why R (available on YouTube)

Specialist in numerical modelling: Sep 2012 - Apr 2016, University of Tartu (remote part-time during PhD)

Research assistant: Sep. 2010 - Aug 2012, University of Tartu (Estonia, part-time during BSc)

Responsible for running an air quality model using up-do-date pollution and meteorological data. Supervised and assisted masters' and other PhD students with it.

• Published 3 first-author papers, analysis done in R

• Applied a new grid resolution by wrangling new input data using Python and Perl, compiling FORTRAN

Intern in air quality modelling: Aug 2011 - Oct 2011, NERC Centre for Ecology & Hydrology, UK

Responsible for running an air quality model using up-do date pollution and meteorological data.

• Completed 10 years of training simulations to estimate pollution in various future scenarios

Education

PhD, **Chemistry** (**Atmospheric modelling**), 2016, University of Edinburgh
Thesis: "High resolution modelling of particulate matter air quality in the UK"

BSc, **Physics** (**First class honours equivalent**), 2012, University of Tartu
Thesis: *"Validation of SILAM model air quality against Estonian monitoring measurements"*

Links

riinu.me - **website and blog**

https://scholar.google.com/citations?user=CeW7a8AAAAAJ - **Google Scholar**