Workshop Series:
Reusable Research Data Made Shiny

Ontario Dairy Research Centre | Zoom
February 21st - 24th, 2023

UNIVERSITY of GUELPH
IMPROVE LIFE.

Compute Ontario

ADC

First things first

In-person attendees

- Get connected to the Wi-Fi!
  - SSID: **EDRC Network**
  - Password: **moomoomoo**
- Washrooms
  - 2 accessible washrooms on the hallway behind this room

First things first

House-keeping rules

- Webcam
  - It's up to you ;)
- Microphone
  - OFF, unless when needed
- Questions?
  - Yes, please! Just raise your hand

Hello, my name is

Michelle Edwards
Director, Agri-Food Data Strategy
Office of Research | University of Guelph
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Hello, my name is

Lucas Alcantara
Manager, Research Centre Data
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in lucas-alcantara
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Hello, my name is

Busayo Kodaolu
Ph.D. Candidate, Soil environmental chemistry
School of Environmental Sciences
University of Guelph

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busayo-kodaolu

Hello, my name is

Marjan Asgari
Ph.D. Candidate, Parallel computing in Calibration
of Hydrological Models
Department of Geography, Environment & Geomatics
University of Guelph

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in marjanasgari
🐦

Introduce yourself

- Who are you?
  - Name
  - Position (Staff, Student, Faculty)
  - Institution
  - Field/Department
- What do you do with your data at the end of your project?

- What is your experience with:
  - Research Data Management
  - R
  - R Shiny
- What are you hoping to take away from this workshop?

General daily schedule

Time	Event
08:30 - 09:00	Morning Coffee
09:00 - 10:15	Session 1
10:15 - 10:30	Coffee Social
10:30 - 12:00	Session 2
12:00 - 13:00	Lunch
13:00 - 14:30	Session 3
14:30 - 14:45	Coffee Social
14:45 - 16:00	Session 4

https://github.com/agrifooddatacanada/RRDMS_Workshop

📕 **agrifooddatacanada** / **RRDMS_Workshop** `Public`

Edit Pins ▾ | 👁 Watch 2 ▾ | ⑂ Fork 0 ▾ | ☆ Star 0 ▾

<> Code | ⊙ Issues | ⑂ Pull requests | ⊙ Actions | ⊞ Projects | 📖 Wiki | 🛡 Security | 📈 Insights | ⚙ Settings

⑂ main ▾ | ⑂ 1 branch | ⊘ 0 tags | Go to file | Add file ▾ | <> Code ▾

👤 lucas-alcantara Merge branch 'main' of https://github.com/agrifooddatacanad...	...	7d9ac5d 1 minute ago	🕓 18 commits
📁 00_Start_Here	Delete README.html		3 days ago
📁 Day_1	Update README.md		26 minutes ago
📁 Day_2	Update README.md		26 minutes ago
📁 Day_3	Add D3S3		2 minutes ago
📁 Day_4	Initial commit		34 minutes ago
📁 src	Initial commit		34 minutes ago
📄 .gitignore	Update .gitignore		25 minutes ago
📄 README.md	Initial commit		34 minutes ago

About ⚙

Reusable Research Data Made Shiny Workshop

📖 Readme
☆ 0 stars
👁 2 watching
⑂ 0 forks

Releases

No releases published
Create a new release

Packages

Day 1 Overview

Session		Topic	Speaker (s)
Morning	1	Introductions	Michelle Edwards Lucas Alcantara
	2	Strategies for effective metadata creation, including tools available and in development	Michelle Edwards
Afternoon	3	Data Governance	Michelle Edwards
	4	Data Governance Cont'd	Michelle Edwards

Day 2 Overview

Session		Topic	Speaker (s)
Morning	1	FAIR Principles	Michelle Edwards
	2	FAIR Principles cont'd Data Reusability Mindset	Michelle Edwards Lucas Alcantara
Afternoon	3	Tour at the Ontario Dairy Research Centre (ODRC)	Lucas Alcantara Rebecca Dunn
	4	Discussion of Practical Data Collection and Challenges at the ODRC	Lucas Alcantara

Day 3 Overview

Session		Topic	Speaker (s)
Morning	1	Quick Posit Cloud Recap Introduction to the R Programming Language and R Studio IDE	Busayo Kodaolu Marjan Asgari
	2	Introduction to the Tidyverse with Hands-on exercises Tidy verbs: filter(), select(), arrange(), summarize()	Lucas Alcantara
Afternoon	3	Introduction to the Tidyverse with Hands-on exercises Tidy verbs: mutate(), group_by(), pivot_longer(), pivot_wider()	Lucas Alcantara
	4	Introduction to R Shiny and its Framework (UI, Server, Global)	Lucas Alcantara

Day 4 Overview

Session		Topic	Speaker (s)
Morning	1	Introduction to R Shiny UI Layouts and Widgets	Lucas Alcantara
	2	Make your App Reactive Server Functions (Observers and Reactives)	Lucas Alcantara
Afternoon	3	Build your own ShinyApp	Lucas Alcantara
	4	Publishing your ShinyApp online on Shinyapps.io	Lucas Alcantara

Post-Workshop

Keep learning!

- Posit Cloud License expires on March 31st, 2023
- Your projects are not deleted, but usage limitations go back to Free Plan

How did we go? What else did you want to see?

- Short survey will be emailed to you at the end of the week

Stay Connected!

- We are available via email or LinkedIn

Coffee Break!