



Workshop Series: Reusable Research Data Made Shiny

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



IMPROVE LIFE.









In-person attendees

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



Day 1

Day 2

Day 3

Day 4

First things first







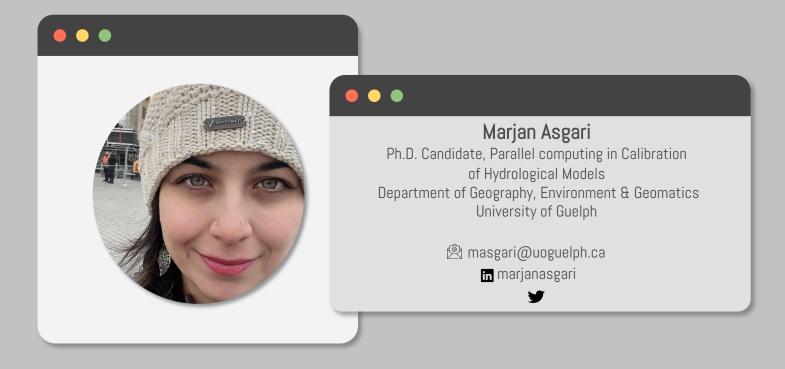
House-keeping rules

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











Day 1

Day 2

Day 3

Day 4



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?

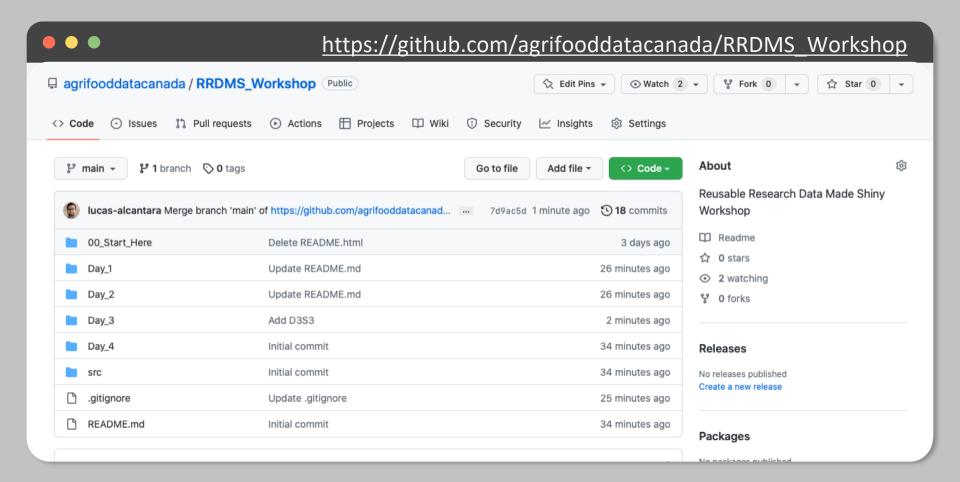
- What is your experience with:
 - Research Data Management
 - R
 - R Shiny
- What are you hoping to take away from this workshop?





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









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





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



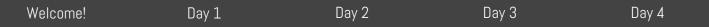


Session		Topic	Speaker (s)
Morning	1	Quick Posit Cloud Recap Introduction to the R Programming Language and R Studio IDE	Busayo Kodaolu Marjan Asgari
	2	Introduction to the Tidyverse with Hands-on exercises Tidy verbs: filter(), select(), arrange(), summarize()	Lucas Alcantara
Afternoon	3	Introduction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





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



Day 1

Day 2

Day 3

Day 4





