



Welcome to QuACK!

Week 1

9/8/2025

Alyson & Victoria

Today's Agenda

- Welcome & introductions
- Goals and structure of the bootcamp
- Get to know your peers
- Let's look at some real data!
- Introduction to R and data types

Who are we?

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6th year PhD Candidate • Developmental • LCD (Srinivasan) Lab / UC DREAMS (Eason) Lab

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Why are we doing this?

- Coding skills are becoming increasingly more important, not just for research but for many jobs → It's a transferable skill
- Learning to code can feel really inaccessible and even scary!
 - If you feel this way, you're not alone!
- We want to help make learning R and programming feel more accessible and fun

Why R?

R is built for working with and analyzing data frames. And that is exactly what we need!

Pointing and clicking is easy and accessible, but it has its limitations – especially when it comes to reproducibility!

Check out these sites for more information:

- [Why is R so great?](#)
- [Why R is like a relationship...](#)

From: [YaRrr! The Pirate's Guide to R](#)



Let's get to know each other!

- Your name
- What lab you're in, what your role is
- 1 recommendation (book, TV show, restaurant, cafe, artist, game...)

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Goals for the course

- Learn foundational R and programming skills so you can learn more on your own and in your lab
 - Don't just do, **understand**!
- Feel confident in your skills moving forward
- Build an inclusive, welcoming, and supportive community around programming and data skills for people at all skill levels and from all backgrounds

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Day 1



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Day 1



Day 100



And it is always a work in progress!
Be patient with yourself!

Some things to keep in mind

- People are coming in with different backgrounds and experiences
- Some things we talk about may be easy for you, and others may be new
- Be open to brushing up on things you already know and supporting your peers while they learn something new!
- We have tried to make this workshop accessible and interesting for people at various different levels

Structure of the course

Typical class structure

1. Introduction to the skill we're covering
2. Live coding demo (interrupt us with questions!)
3. Individual practice and work on real data
4. Talk it over with peers

Instructors will come around to answer questions

5. Discussion

We will send you the materials (scripts, PDFs, and datasets) for each week before the session.

Time to get started in R!

- Go to <https://tinyurl.com/quack-fall2025>
- Download and unzip the course materials
- You will see many files:
 - Two R Markdown (.rmd) files
 - A .csv file
 - Two PDF files – slides and a practice doc
 - Some other folders – ignore these for now
- Open the R Markdown file marked “starter_code” – this is where we will code together for the first part of the session
- The .csv file contains the data we will be working with
- The practice PDF contains practice exercises for you to do during the second part of the session



Exit Ticket

Link: <https://tinyurl.com/quack-fall2025-exit-survey>

