



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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Why are we doing this?

- Coding skills are becoming increasingly more important, not just for research but for many jobs \rightarrow It's a transferable skill
- Learning to code can feel really inaccessible and even scary!
 - o 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: <u>YaRrr! The Pirate's Guide to R</u>



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...)

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

Goals for the course

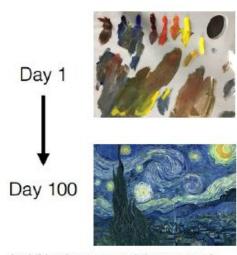
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Day 1



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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
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Exit Ticket

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

