



# R PACKAGE VALIDATION WORKSHOP

Welcome and Orientation

# Welcome

- Who Am I
- Why are we here
- What do I need to know
- How are we going to get there
- When is this going to be done
- Where do we go from here



WHO AM I

# Ellis Hughes

- Seattle UseR
- Cascadia R
- R/Pharma
- TidyX Screencast

 [@ellis\\_hughes](https://twitter.com/ellis_hughes)

 [thebioengineer](https://github.com/thebioengineer)





# WHY ARE WE HERE

# Workshop Goals

- R Package validation Framework
- How to use {valtools}
- Develop a simple package



# WHAT DO I NEED TO KNOW

# Expected Knowledge

- R Package Development
  - devtools, usethis, roxygen, testthat
- Literate Programming
  - rmarkdown





HOW ARE WE GOING  
TO GET THERE

# Workshop Materials

**[bit.ly/valtools\\_CSS](https://bit.ly/valtools_CSS)**

**Slides** folder contains presentation slides

**Materials** folder contains 2 types of exercises:  
**Sparse** or **Verbose**

Workshop slides and exercises are online now and will be available after the conference too.

# R Studio Cloud workspace

## **R Package Validation Workshop**

Please check your email for invites!



WHEN ARE WE  
GETTING THERE

# Workshop Schedule

| Time              | Section                          | Content  |
|-------------------|----------------------------------|--|
| 0 - 10 minutes    | Welcome and Orientation          |  |
| 10 - 30 minutes   | Concepts of R Package Validation | Intro to the<br>R Package Validation Framework |
| 30 - 40 minutes   | Break / Q&A                      |  |
| 40 - 50 minutes   | Introduction to {valtools}       | Intro to {valtools}                            |
| 50 - 90 minutes   | Using {Valtools}                 | Elements of Validation                         |
|                   | Break                            |  |
| 90 - 125 minutes  | Validation Reports               | Elements of a Validation Report                |
| 125 - 135 minutes | Break / Q&A                      |  |
| 140 - 180 minutes | Types of Validation & Q&A        | Re-Validating a Package                        |



WHERE DO WE GO  
FROM HERE

What if this is too much?!

What if this is too basic?!



What if I find an issue in the  
documentation?

What if I get stuck?



READY?  
LETS GO!