



# R PACKAGE DEVELOPMENT AND VALIDATION

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

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# 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 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!