R PACKAGE VALIDATION WORKSHOP
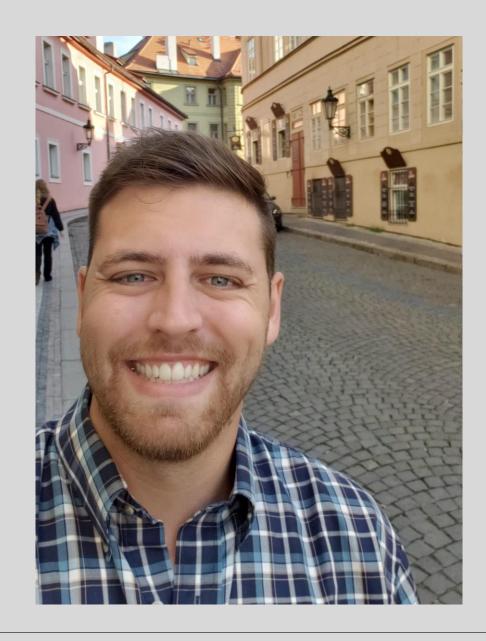
Welcome and Orientation

Welcome

◦ Who Are We

◦ 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 ARE WE

Ellis Hughes

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

@ellis_hughes

thebioengineer

Marie Vendettuoli

- Statistical Programmer
  - R package developer
  - Industry & gov regulatory experience
  - Recovering wet lab scientist

mariev

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Welcome to our TA's!

◦ Eli Miller

◦ Peyman Eshghi

◦ Eric Simms-

◦ Juliane Mantiz

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_workshop

Slides folder contains presentation slides

Materials folder contains 2 types of exercises:
Sparse or Verbose
Named according to the
Slides they correspond with

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 see the chat email for the URL!

R_X Pharma

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!