# A beginner's guide to Shiny

Warwick R User Group meeting

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## What is Shiny?

- · A framework for creating interactive web applications
- · Created by the people behind RStudio

## Why use Shiny?

- Engage casual readers in your research
- · You don't need new software
- · Your reader doesn't need to install any software
- · Don't need to learn (much) new coding

#### How to use Shiny?

- · ui.R Tells the web broswer how to present output and allows for user input
- · server.R Tells the server what to do with the user inputs from ui.R
- **global.R** Can be used to declare functions which can be called within the other files

#### ui.R

#### server.R

## **Deploying Shiny apps**

- · Shiny Server
- · ShinyApps.io
  - Free tier allows for up to 5 applications up to 25 active hours per month
  - Premium tiers allow for more apps/active hours but start at \$100/year