MZES SSDL - Shiny Apps: Development and Deployment

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Shiny

Shiny from RStudio

- ▶ Shiny is a package by RStudio to build interactive web pages...
  - ▶ without having any knowledge of web development (HTML/CSS/JavaScript)
- ▶ Shiny Apps interact with R
  - ▶ Allows for calculations, display of R objects, presentation of results ...

Shiny App Components

1. Front end

▶ the web page actually shown to the user
▶ the HTML page written by Shiny
▶ includes layout, appearance, design features
▶ in Shiny terminology: `ui` (user interface)

2. Back end

▶ code running the app, including all functions, data import, etc.
▶ involves the logic of the app
▶ responsible for creating objects on the front end
▶ in Shiny terminology: `server`

Setting up a Shiny App