R Application Using Shiny

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A Brief R Overview
- Working With Data
- Creating Numerical and Graphical Summaries
- Writing Functions in R

What is Shiny?
- A Simple App that We Will Build on Day 1
- A Fancy App that We Will Build on Day 2

The Shiny App Directory
- ui.R
- shiny.R
- global.R
- R and shinyServer
- The www Directory
- runApp
- Other Local Launching Methods

Widgets and the Input List Elements They Create
- Examples
- verbatimTextOutput

Input List Elements and Their Role in shinyServer

Output List Elements and Their Role in shinyUI

Application Development Exercises

Application Layout
- sidebar
- The Bootstrap 12-Wide Grid System
- tabsets, navlist, and navbarPage
- Application Themes

Showcase Mode and the DESCRIPTION File

The Reactive Dependency Chain

Application Development Exercises

Shiny Extensions
- DataTables
- dygraphs
- shinyRGL

Sharing Your App With Others
- Setting up an AWS Server and Launching Via Shiny Server
- Launching Via shinyapps.io

Conclusion