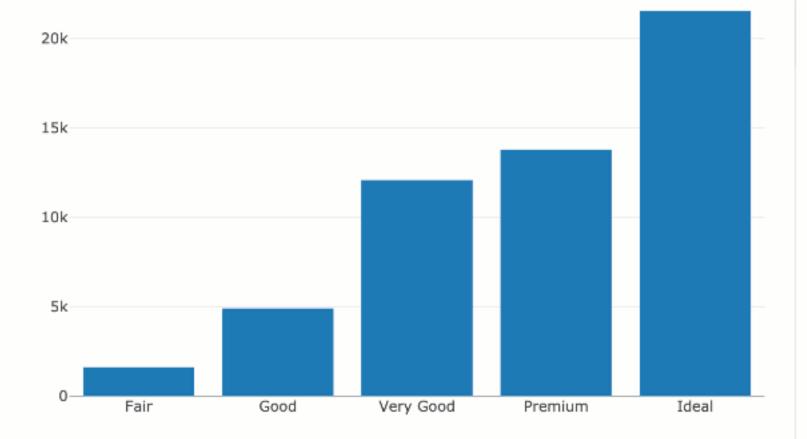
Shiny: Interactive webapps in R

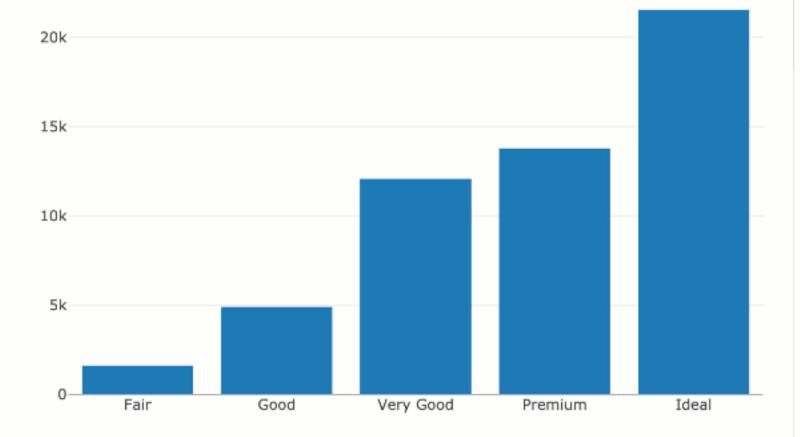
• Easily turn your R code into an interactive GUI. • Allow users to quickly explore different parameters, models/algorithms, other information



Choose a variable

```
cut ▼
```

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app.R
library(shiny)
library(plotly)
ui <- fluidPage(
 plotlyOutput("p"),
  selectInput(
    "x", "Choose a variable",
    choices = names(diamonds)
server <- function(input, output) {</pre>
  output$p <- renderPlotly({
    plot_ly(x = diamonds[[input$x]])
  })
shinyApp(ui, server)
```



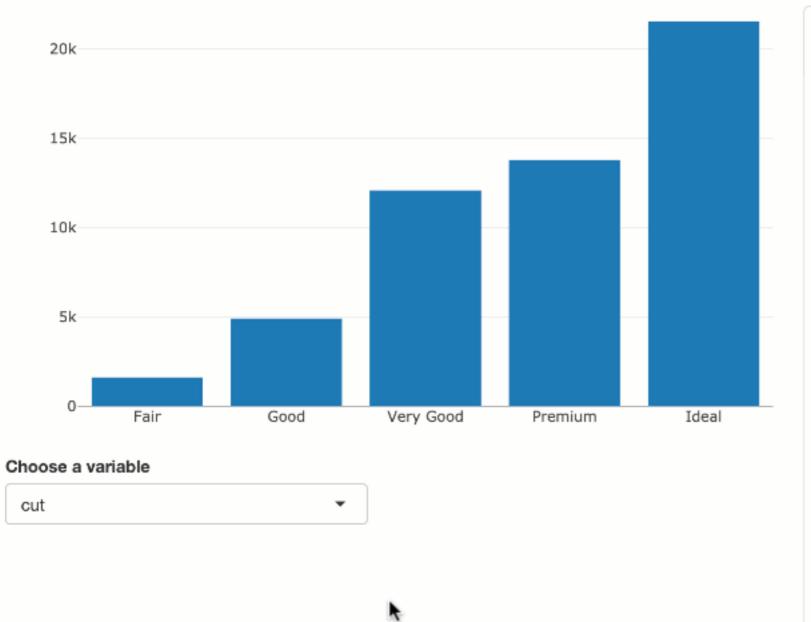
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Interactivity is great, but

reproducibility suffers

- Reproducing results is possible by replicating user events (or bookmarking), but results are locked behind a GUI
- Even if you can view the app's source code,
 the domain logic is intertwined with Shiny code
 - Methodology is less transparent
 - Harder to verify results are 'correct'