

# SHINY



## USER INTERFACE

☞ The user interface (UI) is the body of your app

☞ Here you define its outer appearance — its style and where the single components (text, table, visualizations, ...) are placed

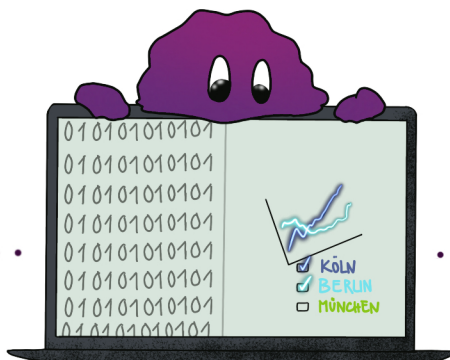
☞ A simple UI can look like this:

```
ui <- fluidPage(  
  titlePanel("Your Title"),  
  sidebarLayout(sidebarPanel(  
    # DEFINES LEFT SIDEBAR PANEL  
    # (WHERE SELECTION HAPPEN)  
  ),  
  mainPanel(  
    # PLACE YOUR PLOT  
  )  
)
```

DEFINES THE  
TITLE

DEFINES LEFT SIDEBAR PANEL  
(WHERE SELECTION HAPPEN)

PLACE YOUR PLOT



## SERVER

☞ The server is the brain of your app

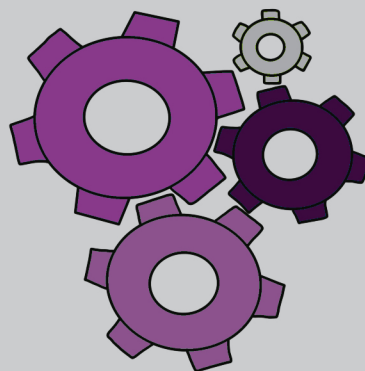
☞ Here is the place where all the calculation happens



☞ A simple server can look like this:

```
server <- function(input, output) {  
  output$first_plot <- renderPlot({  
    # HERE GOES YOUR  
    # REGULAR PLOT  
    # FUNCTION  
  })  
}
```

HERE GOES YOUR  
REGULAR PLOT  
FUNCTION



Combine both and run your app 🎉

```
shinyApp(ui = ui, server = server)
```