server <- function(input, output) {

output$bubble\_plot <- renderPlot({

# Use input$scenario to filter and update the plot

selected\_scenario <- input$scenario

filtered\_data <- subset(data\_long1, Scenario == selected\_scenario)

# Calculate median values for x and y

median\_x <- median(filtered\_data$Stressor\_Index)

median\_y <- median(filtered\_data$Ecological\_Index)

# Plot the bubble plot using ggplot2

ggplot(filtered\_data, aes(x = Stressor\_Index, y = Ecological\_Index, size = Social\_Index, color = Watershed, label = Watershed)) +

geom\_vline(xintercept = median\_x, linetype = "solid", color = "slategray3", size = 1.5, show.legend = TRUE) +

geom\_hline(yintercept = median\_y, linetype = "solid", color = "slategray3", size = 1.5, show.legend = TRUE) +

geom\_point() +

geom\_text\_repel(min.size = 3.5, size = 3.5, max.overlaps = Inf,fontface="bold") + # Increase min.size and overall text size

labs(title = paste("Bubble Plot - Scenario", selected\_scenario),

x = "Stressor Index", y = "Ecological Index") +

theme\_minimal() +

theme(legend.title = element\_blank()) +

guides(

color = "none",

size = "none"

)

})

}