Homework 10: Build 1 Figure

2025-10-28

```
heart <- read.csv(file = "heart_attack_dataset2.new.csv", header = TRUE)
```

ABSTRACT

BACKGROUND

STUDY QUESTIONS and HYPOTHESIS

Questions

Hypothesis

Prediction

METHODS

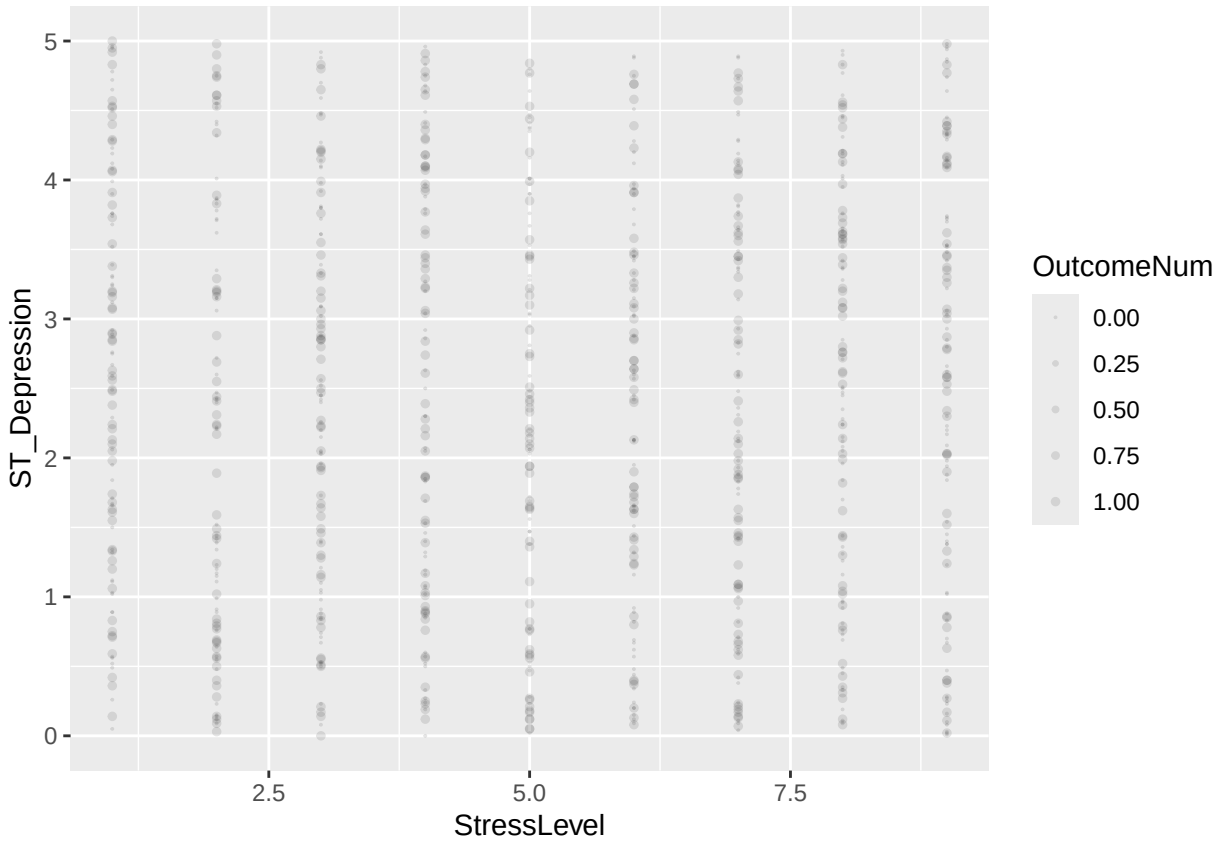
GGplot

```
library(ggplot2)

levels(heart$Outcome) <- c(0, 1)

heart$OutcomeNum <- ifelse(heart$Outcome == "Heart Attack", 1, 0)

ggplot(heart, aes(x=StressLevel, y= ST_Depression, size = OutcomeNum)) +
    geom_point(alpha=0.1) +
    scale_size(range = c(0, 1))
```

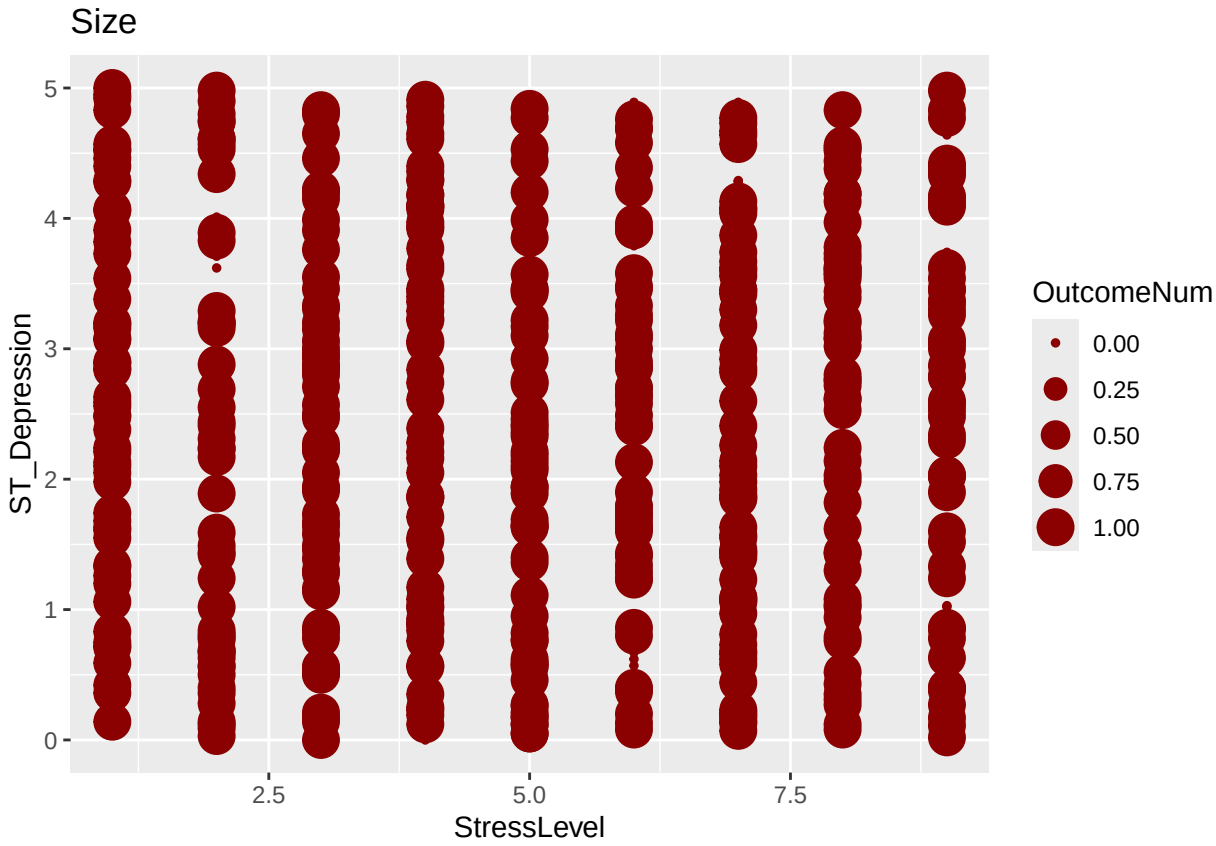


Interpretation of Bar Plot Visualization

GGPlot

```
library(ggplot2)
heart$OutcomeNum <- ifelse(heart$Outcome == "Heart Attack", 1, 0)

ggplot(heart, aes(x=StressLevel, y=ST_Depression, size = OutcomeNum)) +
    geom_point(color="darkred") +
    ggtitle("Size")
```



Interpretation of GLM

DISCUSSION

CONCLUSION

REFERENCES