

Homework 5

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10.2

We enter the data below.

```
#put in the data

dose <- c(rep(5.76,3),
          rep(9.6, 5),
          rep(16, 4),
          rep(32.4, 3),
          rep(54, 3),
          rep(90, 4),
          rep(150, 5))

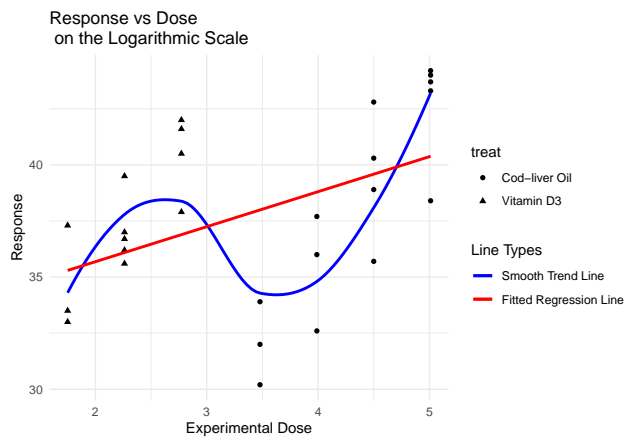
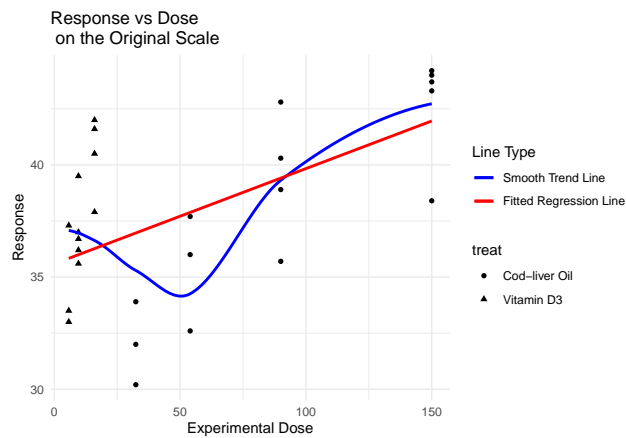
treat <- c(rep("Vitamin D3", 12),
          rep("Cod-liver Oil", 15))

response <- c(33.5, 37.3, 33,
              36.2, 35.6, 36.7, 37, 39.5,
              41.6, 37.9, 40.5, 42,
              32, 33.9, 30.2,
              32.6, 37.7, 36,
              35.7, 42.8, 38.9, 40.3,
              44, 43.3, 38.4, 44.2, 43.7)

vit_data <- data.frame(dose, response, treat)
```

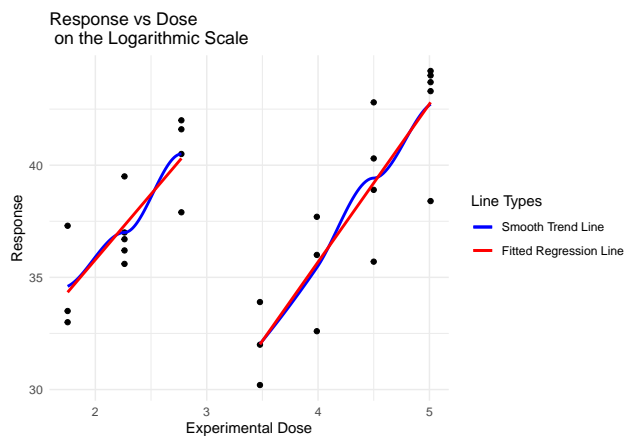
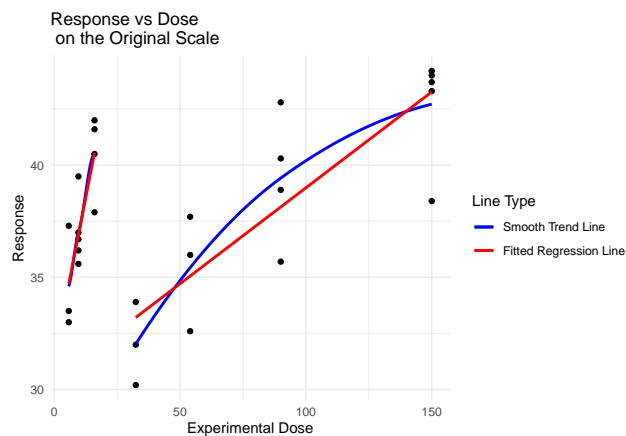
10.2 - A

Original vs Logarithim Scales Regardless of Group



for practice purpose, get a lack of fitness test

Original vs Logarithim Scales With Groups



10.2 - B

10.2 - C

11.1

```
cig <- read_xls("/Users/denisostroushko/Desktop/UofM MS/MS Fall 2022/Puhb 7405/Data Sets/Cigarettes.xls")
```

11.1 - A

11.1 - B

11.1 - C

11.1 - D