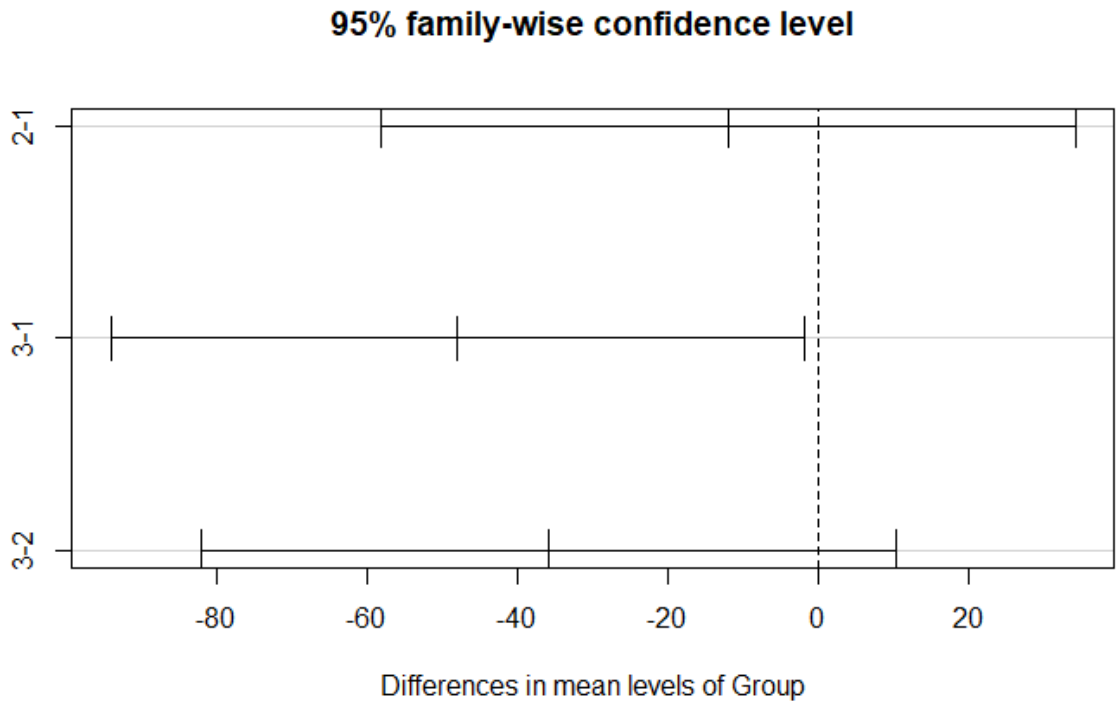
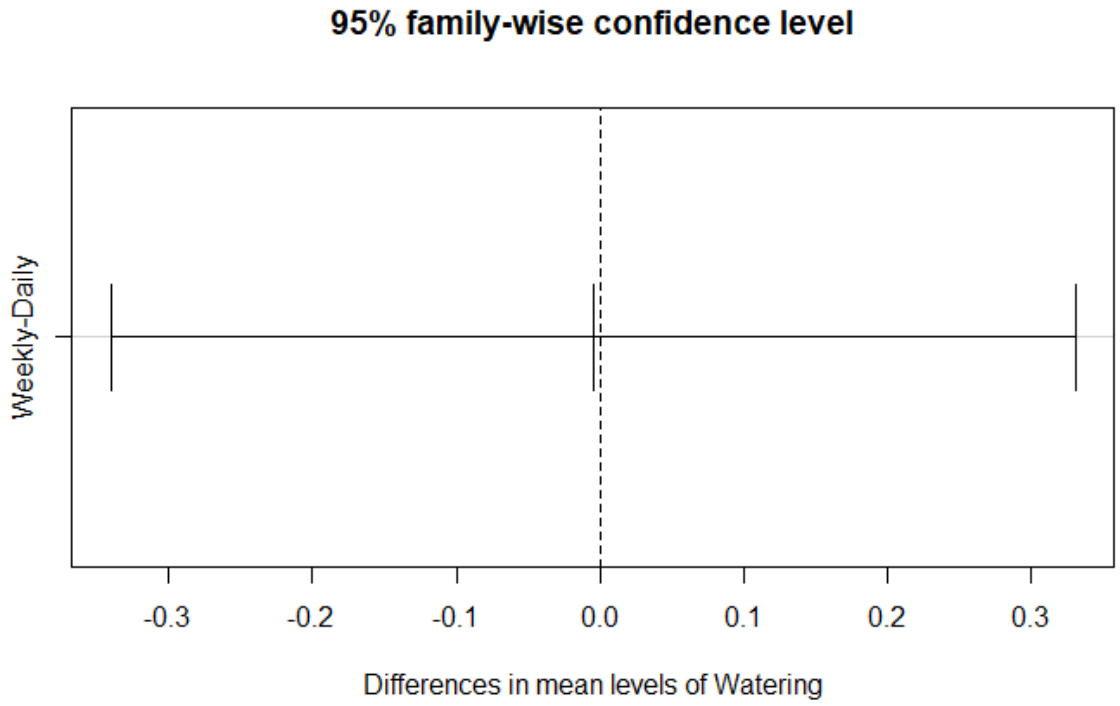
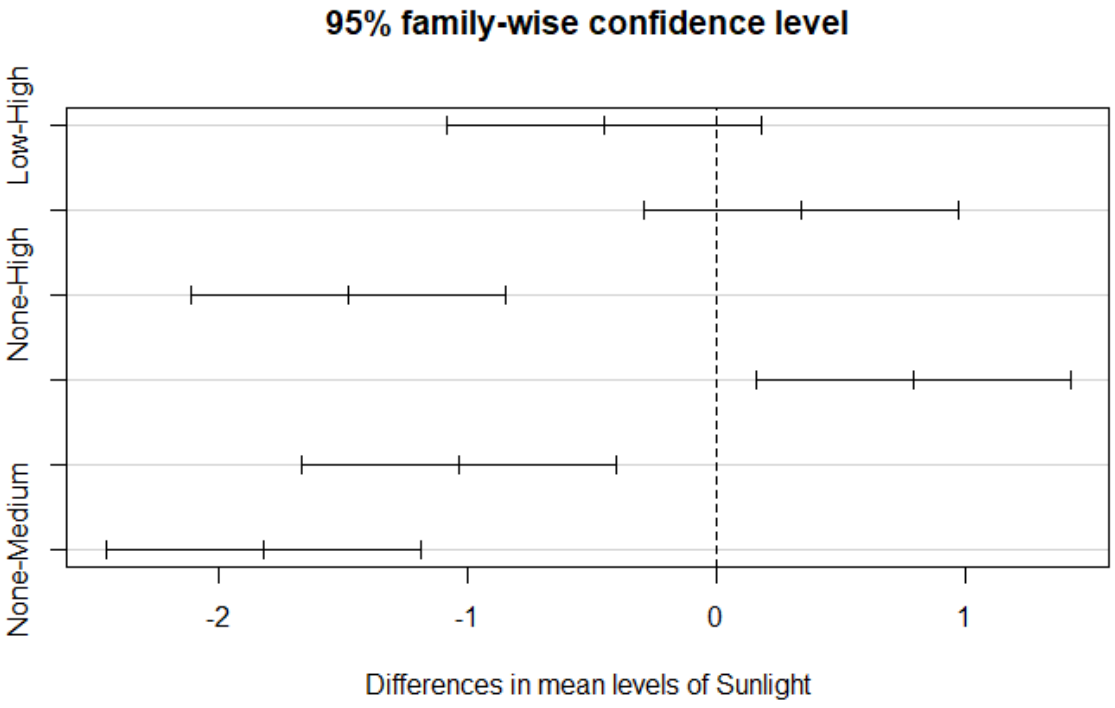
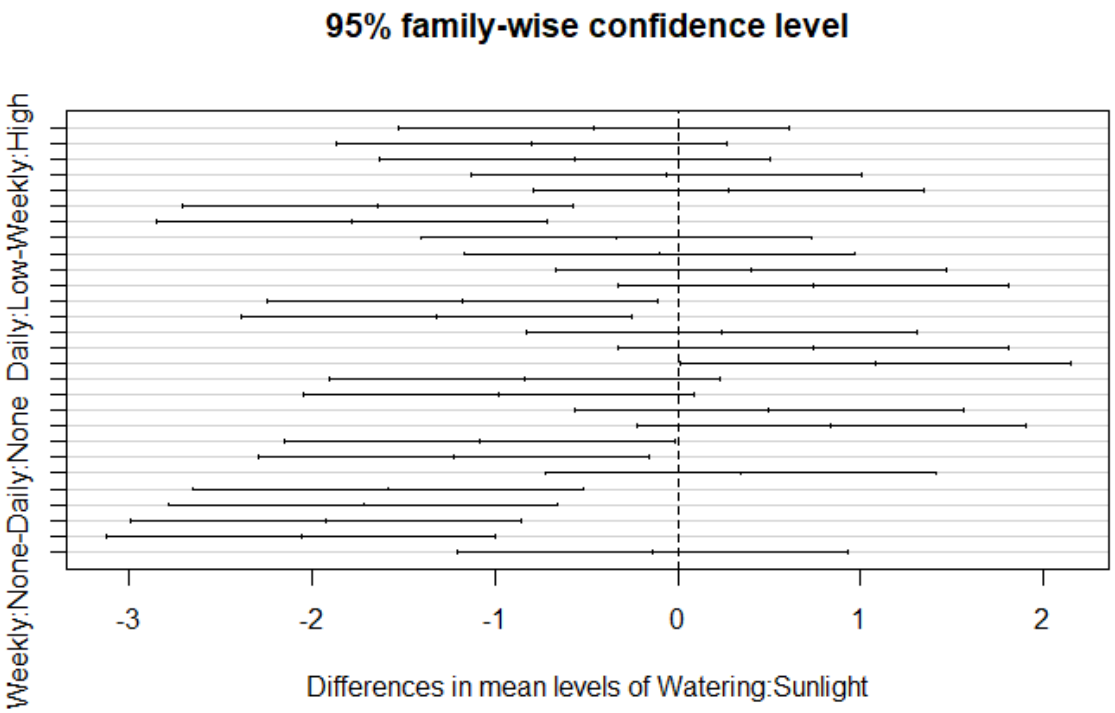
```
> data <- read_excel("R/daemen/324quiz7data1.xlsx")
> View(data)
> aov(Cholesterol ~ Group, data=data)
Call:
   aov(formula = Cholesterol ~ Group, data = data)

Terms:
                Group Residuals
Sum of Squares   5760      9480
Deg. of Freedom     1        13

Residual standard error: 27.00427
Estimated effects may be unbalanced
> summary(aov(Cholesterol ~ Group, data=data))
            Df Sum Sq Mean Sq F value Pr(>F)
Group        1   5760    5760   7.899 0.0147 *
Residuals   13   9480     729
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
>

> data$Group<-factor(data$Group)
> one_way<-aov(Cholesterol ~ Group, data=data)
> library(multcompView)
> tukey_one<-TukeyHSD(one_way)
> plot(tukey_one)
>
```



```
> data <- read_excel("R/daemen/324quiz7data2.xlsx")
> two_way<-aov(Height ~ Watering*Sunlight, data=data)
> summary(two_way)
                  Df Sum Sq Mean Sq F value  Pr(>F)
Watering           1  0.000   0.000   0.001   0.976
Sunlight           3 18.765   6.255  23.049 3.9e-08 ***
Watering:Sunlight  3  1.011   0.337   1.242   0.311
Residuals         32  8.684   0.271
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
> tukey_two<-TukeyHSD(two_way)
> plot(tukey_two)
>
```




95% family-wise confidence level
Low-High
None-High
None-Medium
-2
-1
0
1
Differences in mean levels of Sunlight


95% family-wise confidence level
Weekly:None-Daily:None
Daily:Low-Weekly:High
-3
-2
-1
0
1
2
Differences in mean levels of Watering:Sunlight