STAT 120 C

Introduction to Probability and Statistics III

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Weeks 3 & 4

- Two-way ANOVA
- Multiple Testing

```
## Parsed with column specification:
## cols(
     Dose = col_double(),
##
     Normal = col_double(),
##
     Constant = col double()
##
## )
## # A tibble: 29 x 3
       Dose Normal Constant
##
      <dbl> <dbl>
                       <dbl>
##
               212
                          72
##
   1
          0
          0
                 68
                          78
##
                72
##
    3
          0
                          20
   4
          0
               130
                          56
##
    5
               153
                          70
##
                 32
##
    6
          0
                          74
                98
                          82
##
         10
##
    8
         10
               148
                          40
    9
               186
                          87
##
         10
## 10
         10
               203
                          78
## # ... with 19 more rows
## # A tibble: 58 x 3
##
       Dose Light
                       LH
```

```
## # A tibble: 10 x 6
  # Groups: Dose [?]
      Dose Light
                    LH mean LH sd
##
                                   upr
                                          lwr
     <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <
##
         0 Constant
                       61.7 3.62 68.9
###
   1
                                         54.4
         0 Normal
                      111.
                            11.0
                                  133.
                                         89.1
##
##
   3
         10 Constant
                      84.2 4.78 93.7 74.6
        10 Normal
                      186.
                            10.8 208.
##
   4
                                        164.
         50 Constant
                      142
                             8.44 159.
                                        125.
###
   5
         50 Normal
                      266.
                            7.44 280.
##
   6
                                        251.
       250 Constant
                      190.
                            5.47 201.
##
   7
                                        179.
##
   8
       250 Normal
                      391.
                            19.6
                                  430.
                                        352.
##
      1250 Constant
                      233.
                            17.0 267.
   9
                                        199.
      1250 Normal
                      419.
                            25.0 469.
##
  10
                                        369.
```

















