# HW12 - Poisson Regression

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# 0.0.1 Problem 1(a)

## 0.1 Document Information.

All of the statistical analyses in this document will be performed using R version 4.1.0 (2021-05-18). R packages used will be maintained using the package dependency management system.

#### sessionInfo()

```
## R version 4.1.0 (2021-05-18)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 19041)
## Matrix products: default
## locale:
## [1] LC_COLLATE=English_United States.1252
## [2] LC CTYPE=English United States.1252
## [3] LC_MONETARY=English_United States.1252
## [4] LC NUMERIC=C
## [5] LC_TIME=English_United States.1252
## attached base packages:
## [1] grid
                 stats
                           graphics grDevices utils
                                                          datasets methods
## [8] base
##
## other attached packages:
   [1] Matrix_1.3-4
                                               leaps_3.1
                           psych_2.1.6
                                                                   faraway_1.0.7
                                                                   PairedData_1.1.1
##
  [5] xtable_1.8-4
                           lmtest_0.9-38
                                               zoo_1.8-9
                           gld_2.6.2
                                                                   car 3.0-11
  [9] mvtnorm 1.1-2
                                               ggpubr_0.4.0
## [13] carData 3.0-4
                           mnormt_2.0.2
                                               vcd_{1.4-8}
                                                                   epiDisplay_3.5.0.1
## [17] nnet_7.3-16
                           foreign_0.8-81
                                               Hmisc_4.5-0
                                                                  Formula_1.2-4
## [21] survival_3.2-11
                                               MASS_7.3-54
                                                                   ggplot2_3.3.5
                           lattice_0.20-44
## [25] rmarkdown_2.8
                           knitr_1.33
##
## loaded via a namespace (and not attached):
## [1] nlme_3.1-152
                            RColorBrewer_1.1-2
                                                 tools_4.1.0
                                                 R6_2.5.0
## [4] backports_1.2.1
                            utf8_1.2.1
## [7] rpart_4.1-15
                            colorspace_2.0-1
                                                 withr_2.4.2
## [10] tidyselect_1.1.1
                            gridExtra_2.3
                                                 curl_4.3.1
## [13] compiler_4.1.0
                            formatR_1.11
                                                 htmlTable_2.2.1
## [16] scales_1.1.1
                            checkmate_2.0.0
                                                 proxy_0.4-26
## [19] stringr_1.4.0
                            digest_0.6.27
                                                 minqa_1.2.4
```