

NYPD__wek__3

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Import libraries

```
library("tidyverse")

## Registered S3 methods overwritten by 'ggplot2':
##   method      from
##   [.quosures   rlang
##   c.quosures   rlang
##   print.quosures rlang

## Registered S3 method overwritten by 'rvest':
##   method      from
##   read_xml.response xml2

## -- Attaching packages ----- tidyverse 1.2.1 --

## v ggplot2 3.1.1      v purrr   0.3.2
## v tibble  2.1.1      v dplyr  0.8.0.1
## v tidyr   0.8.3      v stringr 1.4.0
## v readr   1.3.1      v forcats 0.4.0

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
```

Import data

```
nypd_shooting_data <- read_csv("https://data.cityofnewyork.us/api/views/833y-fsy8/rows.csv?accessType=DOWNLOAD")

## Parsed with column specification:
## cols(
##   INCIDENT_KEY = col_double(),
##   OCCUR_DATE = col_character(),
##   OCCUR_TIME = col_time(format = ""),
##   BORO = col_character(),
##   PRECINCT = col_double(),
##   JURISDICTION_CODE = col_double(),
##   LOCATION_DESC = col_character(),
##   STATISTICAL_MURDER_FLAG = col_logical(),
##   PERP_AGE_GROUP = col_character(),
##   PERP_SEX = col_character(),
##   PERP_RACE = col_character(),
##   VIC_AGE_GROUP = col_character(),
##   VIC_SEX = col_character(),
##   VIC_RACE = col_character(),
##   X_COORD_CD = col_double(),
##   Y_COORD_CD = col_double(),
##   Latitude = col_double(),
##   Longitude = col_double(),
```

```
## Lon_Lat = col_character()
## )
```

Session info

```
sessionInfo()
```

```
## R version 3.6.1 (2019-07-05)
## Platform: x86_64-apple-darwin13.4.0 (64-bit)
## Running under: macOS 10.16
##
## Matrix products: default
## BLAS/LAPACK: /opt/anaconda3/envs/R_maestria/lib/R/lib/libRblas.dylib
##
## locale:
## [1] C
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods   base
##
## other attached packages:
## [1] forcats_0.4.0  stringr_1.4.0  dplyr_0.8.0.1  purrr_0.3.2
## [5] readr_1.3.1    tidyr_0.8.3    tibble_2.1.1   ggplot2_3.1.1
## [9] tidyverse_1.2.1
##
## loaded via a namespace (and not attached):
## [1] Rcpp_1.0.1      cellranger_1.1.0 pillar_1.3.1    compiler_3.6.1
## [5] plyr_1.8.4      tools_3.6.1     digest_0.6.18  lubridate_1.7.4
## [9] jsonlite_1.6    evaluate_0.13   nlme_3.1-139    gtable_0.3.0
## [13] lattice_0.20-38 pkgconfig_2.0.2 rlang_0.3.4     cli_1.1.0
## [17] rstudioapi_0.10 curl_3.3         yaml_2.2.0     haven_2.1.0
## [21] xfun_0.6         withr_2.1.2     xml2_1.2.0     httr_1.4.0
## [25] knitr_1.22       hms_0.4.2       generics_0.0.2  grid_3.6.1
## [29] tidyselect_0.2.5 glue_1.3.1       R6_2.4.0       readxl_1.3.1
## [33] rmarkdown_1.12  modelr_0.1.4    magrittr_1.5    backports_1.1.4
## [37] scales_1.0.0    htmltools_0.3.6 rvest_0.3.3     assertthat_0.2.1
## [41] colorspace_1.4-1 stringi_1.4.3    lazyeval_0.2.2  munsell_0.5.0
## [45] broom_0.5.2     crayon_1.3.4
```