BIMarkdown

2023-11-11

library(readr)  
DOHMH\_HIV\_AIDS\_Annual\_Report <- read\_csv("data/DOHMH\_HIV\_AIDS\_Annual\_Report.csv")

## Rows: 6005 Columns: 18  
## ── Column specification ────────────────────────────────────────────────────────  
## Delimiter: ","  
## chr (5): Borough, UHF, Gender, Age, Race  
## dbl (13): Year, HIV diagnoses, HIV diagnosis rate, Concurrent diagnoses, % l...  
##   
## ℹ Use `spec()` to retrieve the full column specification for this data.  
## ℹ Specify the column types or set `show\_col\_types = FALSE` to quiet this message.

View(DOHMH\_HIV\_AIDS\_Annual\_Report)  
  
# Install renv:  
if (!is.element("renv", installed.packages()[, 1])) {  
 install.packages("renv", dependencies = TRUE)  
}  
require("renv")

## Loading required package: renv  
##   
## Attaching package: 'renv'  
##   
## The following objects are masked from 'package:stats':  
##   
## embed, update  
##   
## The following objects are masked from 'package:utils':  
##   
## history, upgrade  
##   
## The following objects are masked from 'package:base':  
##   
## autoload, load, remove

renv::init()

## - The project is out-of-sync -- use `renv::status()` for details.

renv::restore()

## - The library is already synchronized with the lockfile.

if (!is.element("languageserver", installed.packages()[, 1])) {  
 install.packages("languageserver", dependencies = TRUE)  
}  
require("languageserver")

## Loading required package: languageserver  
##   
## Attaching package: 'languageserver'  
##   
## The following object is masked from 'package:renv':  
##   
## run

DOHMH\_HIV\_AIDS\_Annual\_Report <- read.csv("data/DOHMH\_HIV\_AIDS\_Annual\_Report.csv", header = FALSE,  
 stringsAsFactors = TRUE)  
  
if (!is.element("readr", installed.packages()[, 1])) {  
 install.packages("readr", dependencies = TRUE)  
}  
  
## STEP 4. Load sample datasets that are provided as part of a package ----  
if (!is.element("mlbench", installed.packages()[, 1])) {  
 install.packages("mlbench", dependencies = TRUE)  
}  
require("mlbench")

## Loading required package: mlbench

data("DOHMH\_HIV\_AIDS\_Annual\_Report")  
##Step 5  
  
dim(DOHMH\_HIV\_AIDS\_Annual\_Report)

## [1] 6005 1

## Step 6  
sapply(DOHMH\_HIV\_AIDS\_Annual\_Report, class)

## Year.Borough.UHF.Gender.Age.Race.HIV.diagnoses.HIV.diagnosis.rate.Concurrent.diagnoses...linked.to.care.within.3.months.AIDS.diagnoses.AIDS.diagnosis.rate.PLWDHI.prevalence...viral.suppression.Deaths.Death.rate.HIV.related.death.rate.Non.HIV.related.death.rate   
## "factor"

## Step 7 Measure of Central Tendancy  
DOHMH\_HIV\_AIDS\_Annual\_Report\_freq <- DOHMH\_HIV\_AIDS\_Annual\_Report$Borough  
cbind(frequency = table(DOHMH\_HIV\_AIDS\_Annual\_Report\_freq),  
 percentage = prop.table(table(DOHMH\_HIV\_AIDS\_Annual\_Report\_freq)) \* 100)

## frequency percentage