

# Shiny load data

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```
# Source : https://data.lacity.org/A-Safe-City/Crime-Data-from-2020-to-Present/2nrs-mtv8

loadData <- function()
{
  colNames <- c("drNum", # Division of Records Number: Official file number made up of a 2 digit year,
    "dateReported",
    "dateOccurred",
    "timeOccurred", #in 24 hours military time.
    "areaID", # LAPD Divisions - The LAPD has 21 Community Police Stations
    "areaName",
    "rptDistNum", # LAPD Reporting Districts - A four-digit code that represents a sub-area
    "part12", # TODO: Find what is this ?
    "crimeCode", #Indicates the crime committed. (Same as Crime Code 1)
    "crimeCodeDesc", #Defines the Crime Code provided
    "moCode", # Modus Operandi: Activities associated with the suspect in commission of the
    "victAge",
    "victGender",
    "victDescent", # "Descent Code: See "
    "premisCode", # The type of structure, vehicle, or location where the crime took place.
    "premisDesc", # Defines the Premise Code provided.
    "weaponUsedCode", # The type of weapon used in the crime.
    "weaponUsedDesc", #Defines the Weapon Used Code provided.
    "status", #status of the case. (IC is the default)"
    "statusDesc", # Defines the Status Code provided."
    "crimeCode1", # Can be removed
    "crimeCode2",
    "crimeCode3",
    "crimeCode4",
    "location",
    "crossStreet",
    "latitude",
    "longitude")

  colTypes <- "ccccicciicccifficcccccccccdd"

  #Descent Code:
  # A - Other Asian B - Black C - Chinese D - Cambodian F - Filipino G - Guamanian
  # H - Hispanic/Latin/Mexican I - American Indian/Alaskan Native J - Japanese
  # K - Korean L - Laotian O - Other P - Pacific Islander S - Samoan U - Hawaiian
  # V - Vietnamese W - White X - Unknown Z - Asian Indian
```

```
crimeLA <- read_csv("data/Crime_Data_from_2020_to_Present.csv",  
                    col_names = colNames,  
                    col_types = colTypes,  
                    #n_max = 100,  
                    skip = 1)  
  
  return(crimeLA)  
}  
  
getwd()
```

```
## [1] "C:/Users/Thilina/Downloads/LACrimeDB"
```

```
setwd("C:/Users/Thilina/Downloads/LACrimeDB")
```