Louisiana Mortality Data Description

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```r
# Set the CRAN mirror
chooseCRANmirror(ind=1)  # Choose the mirror closest to your location

# Install and load necessary packages
install.packages("readr")
```

```
## Installing package into 'C:/Users/graci/AppData/Local/R/win-library/4.3'
## (as 'lib' is unspecified)
```

```
## package 'readr' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##   C:\Users\graci\AppData\Local\Temp\RtmpIZs2Aj\downloaded_packages
```

```r
library(readr)

# Read the CSV file from Dropbox using the correct link structure
la_mort <- read_csv("https://www.dropbox.com/s/fzsnhfd3lq80v2o3sag6c/la_mort.csv?dl=1")
```

```
## Warning: One or more parsing issues, call 'problems()' on your data frame for details,
## e.g.:
##   dat <- vroom(...)
##   problems(dat)
```

```
## Rows: 200 Columns: 1
```

```
## -- Column specification --------------------------------------------------------
## Delimiter: ","
## chr (1): <!DOCTYPE html>
##
## 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.
```

```r
# Check the first few rows of the dataset to ensure it was loaded correctly
head(la_mort)
```

```
## # A tibble: 6 x 1
##   '<!DOCTYPE html>'
##   <chr>
```

```
## 1 "<html class=\"maestro global-header\" xmlns=\"http://www.w3.org/1999/xhtml\"~
## 2 "<head><meta charset=\"utf-8\" />"
## 3 "<meta content=\"noindex, nofollow, noimageindex\" name=\"robots\" />"
## 4 "<meta content=\"width=device-width, initial-scale=1\" name=\"viewport\" />"
## 5 "<script nonce=\"9IHgFrY8UDEdaKu32QE&#43;2XHZjhA=\">window.EDISON_METRICS_JS_~
## 6 "</script><title>Dropbox - Error - Simplify your life</title>"
```

```r
library(dplyr)
```

```
## 
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
## 
##     filter, lag

## The following objects are masked from 'package:base':
## 
##     intersect, setdiff, setequal, union
```

```r
library(readr)
```

```r
la_mortality <- read_csv("https://www.dropbox.com/s/fzsnhfd3lq80v2o3sag6c/la_mort.csv?dl=1/LA_Mortality_
```

```
## Warning: One or more parsing issues, call `problems()` on your data frame for details,
## e.g.:
##   dat <- vroom(...)
##   problems(dat)

## Rows: 158 Columns: 1
## -- Column specification ---------------------------------------------------------
## Delimiter: ","
## chr (1): <!DOCTYPE html>
## 
## 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.
```

```r
# Assuming you've already loaded the dataset into R and named it la_mort

# Get the list of variable names
variable_names <- names(la_mort)
```

Data Elements Description

1. *restatus*
   - Description: Resident Status
     - United States Occurrence:
       * State and county of Occurrence and Residence are the same.
       * State of Occurrence and Residence are the same, but County is different.

- ∗ State of Occurrence and Residence are different, but both are in the U.S.
    - ∗ State of Occurrence is one of the 50 States or D.C., but Place of Residence is outside the U.S.
  - – Puerto Rico Occurrence:
    - ∗ Territory and County-equivalent of Occurrence and Residence are the same.
    - ∗ Territory of Occurrence and Residence are the same, but County-equivalent is different.
    - ∗ Territory of occurrence and residence are different, but both are a Territory.
    - ∗ Occurred in Puerto Rico to a resident of any other place.
  - – Virgin Islands Occurrence:
    - ∗ Territory and County-equivalent of Occurrence and Residence are the same.
    - ∗ Territory of Occurrence and Residence are the same, but County-equivalent is different.
    - ∗ Territory of occurrence and residence are different, but both are a Territory.
    - ∗ Occurred in Virgin Islands to a resident of any other place.

2. *education*

   - Description: Education Level
     - – 2019 Mortality Multiple Cause-of-Death Public Use Record Tape Location Size Field Item and Code Outline:
       - ∗ 2 Education (1989 revision):
         - · 00: No formal education
         - · 01-08: Years of elementary school
         - · 09: 1 year of high school
         - · 10: 2 years of high school
         - · 11: 3 years of high school
         - · 12: 4 years of high school
         - · 13: 1 year of college
         - · 14: 2 years of college
         - · 15: 3 years of college
         - · 16: 4 years of college
         - · 17: 5 or more years of college
         - · 99: Not stated
       - ∗ 1 Education (2003 revision):
         - · Field is blank for registration areas that are using the 1989 revision format of the item.
         - · 1: 8th grade or less
         - · 2: 9 -12th grade, no diploma
         - · 3: high school graduate or GED completed
         - · 4: some college credit, but no degree
         - · 5: Associate degree
         - · 6: Bachelor's degree
         - · 7: Master's degree
         - · 8: Doctorate or professional degree
         - · 9: Unknown
     - – Education reporting flag:
       - ∗ 0: 1989 revision of education item on certificate
       - ∗ 1: 2003 revision of education item on certificate
       - ∗ 2: No education item on certificate

3. *month_of_death*

   - Description: Month of Death
     - – 2019 Mortality Multiple Cause-of-Death Public Use Record Tape Location Size Field Item and Code Outline:

* 1: January
* 2: February
* 3: March
* 4: April
* 5: May
* 6: June
* 7: July
* 8: August
* 9: September
* 10: October
* 11: November
* 12: December

4. *sex*

- Description: Sex
  - 69: M (Male)
  - 70: F (Female)

5. *age*

- Description: Age at Death
  - 2019 Mortality Multiple Cause-of-Death Public Use Record Tape Location Size Field Item and Code Outline:
    * 70-73: Detail Age
      · Four positions are used to code detail age.
      · Location 70 identifies age in years, months, days, etc.
      · Locations 71-73 are the number of years, months, days, etc.
    * 74: Age Substitution Flag
      · If reported age is unknown but a valid age is calculated using dates of birth and death, the calculated age is substituted for the unknown reported age.
      · 0: Calculated age is not substituted for reported age
      · 1: Calculated age is substituted for reported age
    * 75-76: Age Recode 52
      · Codes representing different age ranges from under 1 hour to 125 years and over, with categories such as "1 year", "2 years", "3 years", "4 years", "5 - 9 years", "10 - 14 years", etc.
    * 77-78: Age Recode 27
      · Codes representing different age ranges from under 1 month to "Age not stated", with categories such as "Under 1 month", "1 month - 11 months", "1 year", "2 years", "3 years", "4 years", "5 - 9 years", etc.
    * 79-80: Age Recode 12
      · Codes representing different age ranges from under 1 year to "Age not stated", with categories such as "Under 1 year", "1 - 4 years", "5 - 14 years", "15 - 24 years", "25 - 34 years", "35 - 44 years", "45 - 54 years", etc.
    * 81-82: Infant Age Recode
      · Codes representing different age ranges for infants, from under 1 hour to "Age 1 year and over or not stated", with categories such as "Under 1 hour", "1 - 23 hours", "1 day", "2 days", "3 days", "4 days", "5 days", "6 days", "7-13 days", etc.