R Notebook

library(knitr)

## Warning: package 'knitr' was built under R version 3.4.3

library(tidyverse)

## ── Attaching packages ─────────────────────────────────────── tidyverse 1.2.1 ──

## ✔ ggplot2 2.2.1 ✔ purrr 0.2.4  
## ✔ tibble 1.4.2 ✔ dplyr 0.7.4  
## ✔ tidyr 0.8.0 ✔ stringr 1.2.0  
## ✔ readr 1.1.1 ✔ forcats 0.2.0

## Warning: package 'tibble' was built under R version 3.4.3

## Warning: package 'tidyr' was built under R version 3.4.3

## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()

library(xtable)  
library(kableExtra)

## Warning: package 'kableExtra' was built under R version 3.4.4

library(papeR)

## Loading required package: car

## Warning: package 'car' was built under R version 3.4.4

## Loading required package: carData

## Warning: package 'carData' was built under R version 3.4.4

##   
## Attaching package: 'car'

## The following object is masked from 'package:dplyr':  
##   
## recode

## The following object is masked from 'package:purrr':  
##   
## some

##   
## Attaching package: 'papeR'

## The following objects are masked from 'package:dplyr':  
##   
## summarise, summarize

## The following object is masked from 'package:utils':  
##   
## toLatex

enroll = read\_csv("final\_project\_data/Enrollment.csv")

## Parsed with column specification:  
## cols(  
## Year = col\_integer(),  
## SchoolName = col\_character(),  
## SchoolCode = col\_character(),  
## SchoolType = col\_character(),  
## `Hispanic%` = col\_double(),  
## `NativeAmerican%` = col\_double(),  
## `Asian%` = col\_double(),  
## `AfricanAmerican%` = col\_double(),  
## `PacificIslander%` = col\_double(),  
## `White%` = col\_double(),  
## `TwoRaces%` = col\_double(),  
## Total = col\_integer()  
## )

kable(  
 summary(enroll[,c("Hispanic%", "NativeAmerican%","Asian%","AfricanAmerican%","PacificIslander%", "White%", "TwoRaces%", "Total")]),   
 format = "markdown",  
 booktabs=T,  
 digits = 2,   
 row.names = FALSE,   
 col.names = c("% Hispanic",  
"% Native American",  
"% Asian",  
"% African American",  
"% Pacific Islander",  
"% White",  
"% Two or More Races",  
"Total"),  
 caption = "Summary Statistics Demographics",  
 escape = TRUE,  
 format.args = list(decimal.mark = ".", big.mark = ","))

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| % Hispanic | % Native American | % Asian | % African American | % Pacific Islander | % White | % Two or More Races | Total |
| Min. : 0.0000 | Min. : 0.0000 | Min. : 0.0000 | Min. : 0.0000 | Min. :0.000000 | Min. : 0.0000 | Min. : 0.0000 | Min. : 1.0 |
| 1st Qu.: 0.0423 | 1st Qu.: 0.0449 | 1st Qu.: 0.0000 | 1st Qu.: 0.0065 | 1st Qu.:0.000000 | 1st Qu.: 0.4064 | 1st Qu.: 0.0181 | 1st Qu.: 166.0 |
| Median : 0.0798 | Median : 0.1198 | Median : 0.0043 | Median : 0.0236 | Median :0.000000 | Median : 0.5510 | Median : 0.0595 | Median : 315.0 |
| Mean : 0.5633 | Mean : 0.2894 | Mean : 0.1230 | Mean : 0.3296 | Mean :0.004298 | Mean : 1.2958 | Mean : 0.1943 | Mean : 380.3 |
| 3rd Qu.: 0.1478 | 3rd Qu.: 0.2836 | 3rd Qu.: 0.0140 | 3rd Qu.: 0.0675 | 3rd Qu.:0.002000 | 3rd Qu.: 0.6712 | 3rd Qu.: 0.1084 | 3rd Qu.: 499.0 |
| Max. :347.0000 | Max. :97.0000 | Max. :89.0000 | Max. :206.0000 | Max. :2.333300 | Max. :872.0000 | Max. :100.0000 | Max. :3778.0 |