R Notebook

```
library(wisdotcrashdatabase)
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --
```

```
## v ggplot2 3.3.4     v purrr   0.3.4
## v tibble  3.1.2     v dplyr   1.0.6
## v tidyr   1.1.3     v stringr 1.4.0
## v readr   1.4.0     v forcats 0.5.1
```

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

```
# old and new cntycode
file_loc = "C:/CSV/csv_from_sas/fst/"
```

```
# crash <- import_db_data(file_loc, "crash", years_old = c("16"), years = c("17"), columns = c("RLTNTRW

# all=crash %>% get_crash_times(combine_with_old = TRUE) %>%
#   select(CRSHTIME, CRSHTIME_GROUP, newtime, newtime_old, CRSHDATE, newtime_both)# %>%
#   # filter(lubridate::year(CRSHDATE) == 2016, is.na(newtime))
# # all=crash %>% county_rename(combine_with_old = TRUE)
# all$newtime_both %>% unique()
# all %>% filter(is.na(newtime_both))
```

```
year1=as.character(seq(88, 99,  1))
year2=formatC(seq(00, 16, 1), digits = 0, width = 2, format = "f", flag = "0")
year1
```

```
##  [1] "88" "89" "90" "91" "92" "93" "94" "95" "96" "97" "98" "99"
```

```
year2
```

```
##  [1] "00" "01" "02" "03" "04" "05" "06" "07" "08" "09" "10" "11" "12" "13" "14"
## [16] "15" "16"
```

```
get_list_of_years <- function(start_year = "94",
                              end_year = "27") {
  # between 1985 and 2030
  if (start_year > 85 & end_year < 30) {
    year1 = as.character(seq(start_year, 99,  1))
    year2 = formatC(
      seq(00, end_year, 1),
      digits = 0,
      width = 2,
      format = "f",
      flag = "0"
    )
    return(c(year1, year2))
```

```
    # between 1985 and 1999
  } else if (start_year > 85 & end_year <= 99) {
    return(as.character(seq(start_year, end_year,  1)))
  } # between 2000 and 2030
  else if (start_year >= 0 & end_year < 30) {
    return(formatC(seq(start_year, end_year, 1), digits = 0, width = 2, format = "f", flag = "0"))
  }
}

get_list_of_years("89", "89")
```

```
## [1] "89"
```