

# fars functions

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## Introduction

This code is part of an assignment from “Building R Packages” at Coursera. <http://www.coursera.org>.

Its main functions are `fars_summarise_year` and `fars_map_state` which allow users to produce descriptive statistics of U.S. traffic accidents by year and month for the former, and to visualise traffic accidents in a given state and year on a simple contour map for the latter.

Data from 2013 to 2015 is available.

## Summary statistics

This is an example for 2013 to 2015: `fars_summarize_years(c(2013:2015))`

```
## [1] "inst/ext_data/accident_2013.csv.bz2"
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## [1] "inst/ext_data/accident_2015.csv.bz2"

## # A tibble: 12 × 4
##   MONTH `2013` `2014` `2015`
## *   <int>   <int>   <int>   <int>
## 1     1     2230     2168     2368
## 2     2     1952     1893     1968
## 3     3     2356     2245     2385
## 4     4     2300     2308     2430
## 5     5     2532     2596     2847
## 6     6     2692     2583     2765
## 7     7     2660     2696     2998
## 8     8     2899     2800     3016
## 9     9     2741     2618     2865
## 10    10     2768     2831     3019
## 11    11     2615     2714     2724
## 12    12     2457     2604     2781
```

## Mapping traffic accidents

This is an example for Florida in 2013: `fars_map_state("12","2013")`

