fars functions

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Introduction

This code is part of an assignment from "Buiding R Packages" at Coursera. http://www.coursera.org.

Its main functions are `fars_summarise_year` and `fars_map_state` which allo users to produce descriptibe 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")`