

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

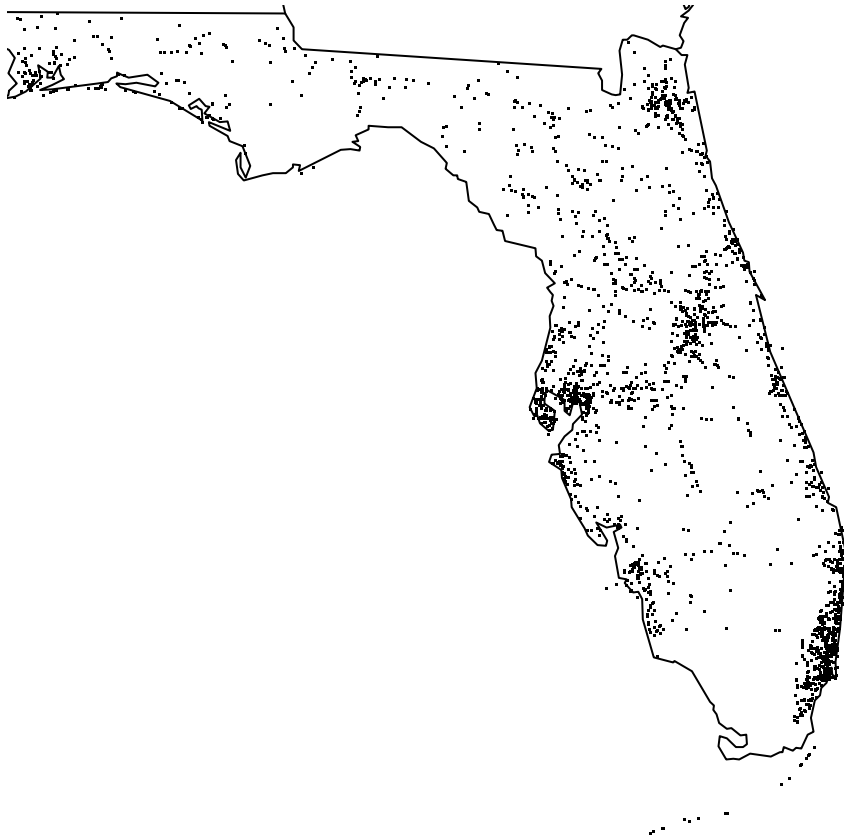
This is an example for 2013 to 2015: `fars_summarize_years(c(2013:2015))`

```
## Warning: package 'tidyr' was built under R version 3.3.2
```

```
## # 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")`



Testing the package ouputs

The function `testing()` call a pre-defined series of tests.

```
test_output=fars_summarize_years(c(2013:2015))  
testing()
```

```
## .  
## DONE =====
```