Readme

A. Paul

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Title

Package fars - Analyse some data from US National Highway Traffic Safety Administration's Fatality Analysis Reporting System (NHTSF)

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Description

The `"fars"` package is used to evaluate the reported accidents in the United States of America.

The following functions of the "fars" package are supported:

- Reading a file using the function `fars_read ()`
- Provision of a data frame using `fars_summarize_years ()`
- Creation of a plot using `fars_map_state ()`

There are further information in the vignette of the package fars and in the man.

More information and the data files can be found on the website of the

NHTSF: https://www.nhtsa.gov/Data/Fatality-Analysis-Reporting-System-(FARS).

Prerequisites

1. The following packages are used:

   - library(fars)
   - library(readr)
   - library(dplyr)
   - library(magrittr)
   - library(tidyr)
   - library(bindrcpp)
   - library(maps)
   - library(graphics)

2. Download csv files from Website of NHTSF:

   The prerequisite for performing the evaluations is that the csv files ("accident_yyyy.csv.bz2") are downloaded with the accident data and are located in the current directory.

   Website: https://www.nhtsa.gov/Data/Fatality-Analysis-Reporting-System-(FARS)

Install

Any R user can install the package with just tree lines of code:

* install.packages("devtools")
* devtools::install_github("ap-wi/fars")
* library("fars")

Usage

There are three functions in the package fars supported:

* Reading a file using the function `fars_read(filename)`
* Provision of a data frame using `fars_summarize_years(years)`
* Creation of a plot using `fars_map_state(state.num, year)`

Contribute

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