

# Package: gunsales (via r-universe)

August 11, 2024

**Type** Package  
**Title** Statistical Analysis of Monthly Background Checks of Gun Purchases  
**Version** 0.1.2  
**Date** 2017-01-30  
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**Description** Statistical analysis of monthly background checks of gun purchases for the New York Times story ``What Drives Gun Sales: Terrorism, Obama and Calls for Restrictions" at <http://www.nytimes.com/interactive/2015/12/10/us/gun-sales-terrorism-obama-restrictions.html?> is provided.  
**License** Apache License (== 2)  
**Depends** R (>= 2.10)  
**LazyData** true  
**Imports** utils, dplyr, seasonal, ggplot2, data.table, zoo, x13binary  
**Suggests** knitr, rmarkdown  
**VignetteBuilder** knitr  
**RoxygenNote** 5.0.1  
**Repository** <https://eddelbuettel.r-universe.dev>  
**RemoteUrl** <https://github.com/NYTimes/gunsales>  
**RemoteRef** HEAD  
**RemoteSha** c8458e77d9b01c2e98af0a3e9b5259607ad42ea8

## Contents

alldata . . . . .	2
analysis . . . . .	2
ggplot_gunsales . . . . .	3
plot_gunsales . . . . .	4
poptotal . . . . .	5

**Index****6**

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alldata	<i>Source data from the FBI's National Instant Criminal Background Check System</i>
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**Description**

It was converted from the original PDF format to CSV using Tabula.

**Format**

A 'tbl\_df' and data frame object with 11480 observation of 34 variables

**Source**

[https://www.fbi.gov/file-repository/nics\\_firearm\\_checks\\_-\\_month\\_year\\_by\\_state\\_type.pdf](https://www.fbi.gov/file-repository/nics_firearm_checks_-_month_year_by_state_type.pdf)

**See Also**

The GitHub repository created by BuzzFeed containing a similar data set at <https://github.com/BuzzFeedNews/nics-firearm-background-checks/>

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analysis	<i>Run Statistical Analysis of Monthly Background Checks of Gun Purchase</i>
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**Description**

Run Statistical Analysis of Monthly Background Checks of Gun Purchase

**Usage**

```
analysis(debug = FALSE)
```

**Arguments**

debug	Optional boolean switch to indicate whether interim data is displayed; default is 'FALSE'
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**Value**

A data.frame is returned, contained all different prepared columns.

**Author(s)**

Gregor Aisch and Josh Keller wrote the R code; Dirk Eddelbuettel created and maintains the package.

**See Also**

The NY Times article presenting this analysis undertaken by this package is at <http://www.nytimes.com/interactive/2015/12/10/us/gun-sales-terrorism-obama-restrictions.html?>

**Examples**

```
## Not run:
gs <- analysis()
plot_gunsales(gs)
ggplot_gunsales(gs)

## End(Not run)
```

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`ggplot_gunsales`*ggplot2 plots for gunsales analysis*

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**Description**

This function creates (ggplot2) plots for gunsales analysis.

**Usage**

```
ggplot_gunsales(df, savePlots = FALSE, savePNG = FALSE)
```

**Arguments**

<code>df</code>	A <code>data.frame</code> as prepared by the <a href="#">analysis</a> functions.
<code>savePlots</code>	A boolean toggle to indicate if the plots are to be saved in the <code>out/</code> directory as a single pdf file, with a default of <code>FALSE</code> .
<code>savePNG</code>	A boolean toggle to indicate if the plots are to be saved in the <code>out/</code> directory as individual png files, with a default of <code>FALSE</code> .

**Details**

In interactive mode, plot display is paused and the user has to advance by pressing the Return key.

**Value**

NULL is returned invisibly.

**Author(s)**

Gregor Aisch and Josh Keller wrote the R code; Dirk Eddelbuettel created and maintains the package.

**See Also**

The NY Times article presenting this analysis undertaken by this package is at <http://www.nytimes.com/interactive/2015/12/10/us/gun-sales-terrorism-obama-restrictions.html?>

**Examples**

```
## Not run:
gs <- analysis()
ggplot_gunsales(gs)

## End(Not run)
```

---

plot\_gunsales

*Base Plots for gunsales analysis*

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**Description**

This function creates (base graphics) plots for gunsales analysis.

**Usage**

```
plot_gunsales(df, savePlots = FALSE)
```

**Arguments**

df	A data.frame as prepared by the <a href="#">analysis</a> functions.
savePlots	A boolean toggle to indicate if the plots are to be saved in the out/ directory, with a default of FALSE.

**Details**

In interactive mode, plot display is paused and the user has to advance by pressing the Return key.

**Value**

NULL is returned invisibly.

**Author(s)**

Gregor Aisch and Josh Keller wrote the R code; Dirk Eddelbuettel created and maintains the package.

**See Also**

The NY Times article presenting this analysis undertaken by this package is at <http://www.nytimes.com/interactive/2015/12/10/us/gun-sales-terrorism-obama-restrictions.html?>

**Examples**

```
## Not run:  
gs <- analysis()  
plot_gunsales(gs)  
  
## End(Not run)
```

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poptotal	<i>US Population Growth data</i>
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**Description**

Monthly observations about population growth

**Format**

A 'tbl\_df' and data frame object with 217 observations of 3 variables

**Source**

US Census Bureau

# Index

alldata, [2](#)

analysis, [2](#), [3](#), [4](#)

ggplot\_gunsales, [3](#)

plot\_gunsales, [4](#)

poptotal, [5](#)