

# Package ‘sgat’

February 26, 2021

**Title** Extract Information from Google's "Popular Times"

**Version** 0.9

**Description** Once you've identified a real life place, such as a shop, a restaurant, a bar, etc. use this package to simulate a Google search and retrieve its "Popular Times" and geographic location information and save them in Comma-Separated Values files. This package also downloads a list of restaurants and bars of Ushuaia city, Argentina.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Suggests** testthat (>= 3.0.0), knitr, rmarkdown

**Config/testthat/edition** 3

**Imports** RSelenium, RCurl, qdapRegex, dplyr, stringr, data.table, plyr, utils

**URL** <https://github.com/matiaspoullain/sgat>

**BugReports** <https://github.com/matiaspoullain/sgat/issues>

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2021-02-26 09:00:02 UTC

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initialization\_sgat    *Automated server creation*

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**Description**

Automated server creation

**Usage**

```
initialization_sgat()
```

**Value**

"Driver connection"

**Examples**

```
## Not run:
initialization_sgat()

## End(Not run)
```

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sgat    *Iteration over [sgat\\_day](#) on every day of the week and finally save the retrieved data as a csv file. If you are looking for the "Popular Times" information for a single weekday use [sgat\\_day](#) instead.*

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**Description**

Iteration over [sgat\\_day](#) on every day of the week and finally save the retrieved data as a csv file. If you are looking for the "Popular Times" information for a single weekday use [sgat\\_day](#) instead.

**Usage**

```
sgat(lugar.a.buscar, tiempo.espera = 10, carpeta.guardado = NULL)
```

**Arguments**

lugar.a.buscar    What you want to search in Google

tiempo.espera    Time measure of how much time you think it's sufficient given your internet connection to load a Google search page and not finding the information,

carpeta.guardado    Name of the directory where the csv files will be saved. If the directory doesn't exist, it will be created automatically.

**Value**

Data frame with retrieved information for all weekdays

**Examples**

```
## Not run:
museo <- sgat(lugar.a.buscar = "museo nacional de bellas artes, buenos aires, argentina")
head(museo)

## End(Not run)
```

---

sgat_day	<i>Opens firefox, searches in Google lugar.a.buscar place on the dia.semana weekday. Then it retrieves the "Popular Times" and geolocation information. If the search finds said information, the function returns a data.frame, if not, NULL. If you are looking the "Popular Times" information for the whole week use <a href="#">sgat</a> instead.</i>
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**Description**

Opens firefox, searches in Google lugar.a.buscar place on the dia.semana weekday. Then it retrieves the "Popular Times" and geolocation information. If the search finds said information, the function returns a data.frame, if not, NULL. If you are looking the "Popular Times" information for the whole week use [sgat](#) instead.

**Usage**

```
sgat_day(lugar.a.buscar, dia.semana, tiempo.espera = 10)
```

**Arguments**

lugar.a.buscar	What you want to search in Google
dia.semana	Day of the week from when you want to retrieve the "Popular Times" information
tiempo.espera	Time measure of how much time you think it's sufficient given your internet connection to load a Google search page and not finding the information,

**Value**

dataframe with retrieved information for single weekday

**Examples**

```
## Not run:
museo.miercoles <- sgat_day("museo nacional de bellas artes, buenos aires, argentina", "miercoles")
head(museo.miercoles)

## End(Not run)
```

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tripadvisor\_places      *Search for the n most popular places in a city according to Tripadvisor*

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**Description**

Search for the n most popular places in a city according to Tripadvisor

**Usage**

```
tripadvisor_places(ciudad, n.resultados = Inf)
```

**Arguments**

ciudad                  City or area where you want the places' information  
n.resultados          Maximum number of results to retrieve. If not specified, all results will be retrieved

**Value**

Character vector with the names of the most popular places of the searched city or area according to Tripadvisor

**Examples**

```
## Not run:  
tripadvisor_places("Pinamar, Argentina", 10)  
  
## End(Not run)
```

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ushuaia\_restaurants      *Retrieves a vector of Ushuaian's restaurants and bar's names and adresses, ready for unambiguous Google searches.*

---

**Description**

Retrieves a vector of Ushuaian's restaurants and bar's names and adresses, ready for unambiguous Google searches.

**Usage**

```
ushuaia_restaurants()
```

**Value**

Vector of restaurants and bars in Ushuaia city, Tierra del Fuego, Argentina

*ushuaia\_restaurants*

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### **Examples**

```
restaurants <- ushuaia_restaurants()  
head(restaurants)
```

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