

# Package ‘rawr’

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**Type** Package

**Title** Retrieve Raw R Code from Popular Tutorials and Websites

**Version** 0.1.0

**Author** Steve Condylis [aut, cre] (<<https://orcid.org/0000-0003-0599-844X>>)

**Maintainer** Steve Condylis <[steve.condylis@gmail.com](mailto:steve.condylis@gmail.com)>

**BugReports** <https://github.com/stevecondylis/rawr/issues>

**License** MIT + file LICENSE

**URL** <https://github.com/stevecondylis/rawr>

**Description** Retrieves pure R code from popular R websites, including github <<https://github.com>>, kaggle <<https://www.kaggle.com>>, datacamp <<https://www.datacamp.com>>, and R blogs made using R blogdown <<https://github.com/rstudio/blogdown>>.

**Encoding** UTF-8

**LazyData** true

**Imports** rvest, dplyr, jsonlite, xml2

**RoxygenNote** 6.1.1

**Suggests** testthat

**NeedsCompilation** no

**Repository** CRAN

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rawr-package

*Retrieve Raw R Code from Popular Tutorials and Websites*

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**Description**

Retrieve Raw R Code from Popular Tutorials and Websites

**Details**

It has the goal of providing a very simple way of quickly retrieving (just the) raw R code from popular websites that display R code, including:

- github <<https://github.com>>
- kaggle <<https://www.kaggle.com>>
- datacamp <<https://www.datacamp.com>>, and,
- R blogdown <<https://github.com/rstudio/blogdown>>

thus enabling quick and easy code execution in the user's local environment.

**Author(s)**

Steve Condylis <[steve.condylis@gmail.com](mailto:steve.condylis@gmail.com)>

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blogdown

*Retrieve raw R code from a blogdown web page*

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**Description**

Retrieve raw R code from a blogdown web page

**Usage**

```
blogdown(url)
```

**Arguments**

url                      Link to a blogdown web page

**Value**

A character vector of length 1 containing the R code from the target url. Code from other languages (e.g. javascript, bash, or python) will also be returned if present.

**Examples**

```
library(dplyr)
blogdown("https://www.jtimm.net/2019/04/14/lexical-change-procrustes/")

# Same as above but provided to cat for easy viewing
blogdown("https://www.jtimm.net/2019/04/14/lexical-change-procrustes/") %>%
  cat
```

---

datacamp

*Retrieve raw R code from a datacamp tutorial*

---

**Description**

Retrieve raw R code from a datacamp tutorial

**Usage**

```
datacamp(url)
```

**Arguments**

url                      Link to datacamp tutorial

**Value**

A character vector of length 1 containing the R code from the target url.

**Examples**

```
library(dplyr)
datacamp("https://www.datacamp.com/community/tutorials/sentiment-analysis-R")
datacamp("https://www.datacamp.com/community/tutorials/R-nlp-machine-learning")

# Same as above but provided to cat for easy viewing
datacamp("https://www.datacamp.com/community/tutorials/sentiment-analysis-R") %>%
  cat
datacamp("https://www.datacamp.com/community/tutorials/R-nlp-machine-learning") %>%
  cat
```

---

`github`*Retrieve raw R code from an .R file hosted on github website*

---

**Description**

Retrieve raw R code from an .R file hosted on github website

**Usage**

```
github(url)
```

**Arguments**

`url` Link to an R file on github website

**Value**

A character vector of length 1 containing the R code from the target url. All code at the target url (including javascript, ruby, python) will be returned.

**Examples**

```
library(dplyr)
github("https://github.com/hadley/vis-eda/blob/master/travel.R")

# Same as above but provided to cat for easy viewing
github("https://github.com/hadley/vis-eda/blob/master/travel.R") %>%
  cat
```

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`identify_domain`*Identify the domain of the url*

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**Description**

Identify the domain of the url

**Usage**

```
identify_domain(urls)
```

**Arguments**

`urls` Vector of urls

**Value**

A character vector of length 1 containing the website domain.

**Examples**

```
test_domains <- c("https://github.com/hadley/vis-eda/blob/master/travel.R",
  "https://www.datacamp.com/community/tutorials/sentiment-analysis-R",
  "https://www.tidytextmining.com/sentiment.html",
  "https://www.kaggle.com/vrtjso/mercari-eda-more-info-than-you-can-imagine")

identify_domain(test_domains)
```

---

kaggle

*Retrieve raw R code from a kaggle notebook*

---

**Description**

Retrieve raw R code from a kaggle notebook

**Usage**

```
kaggle(url)
```

**Arguments**

url                      Link to a kaggle notebook

**Value**

A character vector of length 1 containing the R code from the target url. Returned value will contain rmarkdown or python code if that was the language used in the kaggle notebook.

**Examples**

```
library(dplyr)
kaggle("https://www.kaggle.com/vrtjso/mercari-eda-more-info-than-you-can-imagine")
kaggle("https://www.kaggle.com/captcalculator/a-very-extensive-mercari-exploratory-analysis")
kaggle("https://www.kaggle.com/adityaecdrid/mnist-with-keras-for-beginners-99457")

# Same as above but provided to cat for easy viewing

# R
kaggle("https://www.kaggle.com/vrtjso/mercari-eda-more-info-than-you-can-imagine") %>%
  cat
```

```
# rmarkdown
kaggle("https://www.kaggle.com/captcalculator/a-very-extensive-mercari-exploratory-analysis") %>%
  cat

# python
kaggle("https://www.kaggle.com/adityaecdr/mnist-with-keras-for-beginners-99457") %>%
  cat
```

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rawr

*Automatically identify website and retrieve raw R code from it*

---

## Description

Automatically identify website and retrieve raw R code from it

## Usage

```
rawr(url)
```

## Arguments

url                      Link to an R file on supported website (github, kaggle, datacamp, tidytext)

## Value

A character vector of length 1. rawr attempts to retrieve and return the raw R code it finds at the target url. In the case of blogdown pages, all code will be returned (not just) R code, and in the case of kaggle, all of R (R markdown) and Python code will be returned.

## Examples

```
library(dplyr)
rawr("https://github.com/hadley/vis-eda/blob/master/travel.R")

# Same as above but provided to cat for easy viewing
rawr("https://github.com/hadley/vis-eda/blob/master/travel.R") %>%
  cat

# Use on multiple urls

domains <- c("https://github.com/hadley/vis-eda/blob/master/travel.R",
            "https://www.datacamp.com/community/tutorials/sentiment-analysis-R",
            "https://www.tidytextmining.com/sentiment.html",
            "https://www.kaggle.com/vrtjso/mercari-eda-more-info-than-you-can-imagine",
            "https://www.jtimm.net/2019/04/14/lexical-change-procrustes/")
```

```
domains %>% sapply(rawr)
```

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tidytext	<i>Retrieve raw R code tidytext tutorial</i>
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**Description**

Retrieve raw R code tidytext tutorial

**Usage**

```
tidytext(url)
```

```
tidytextmining(url)
```

**Arguments**

url                    Link to tidytext tutorial

**Value**

A character vector of length 1 containing the R code from the target url.

**Examples**

```
library(dplyr)
tidytext("https://www.tidytextmining.com/sentiment.html")

# Same as above but provided to cat for easy viewing
tidytext("https://www.tidytextmining.com/sentiment.html") %>%
  cat
```

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