

# Package ‘gsheet’

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**Type** Package

**Title** Download Google Sheets Using Just the URL

**Version** 0.4.6

**Date** 2024-12-13

**Description** Simple package to download Google Sheets using just the sharing link. Spreadsheets can be downloaded as a data frame, or as plain text to parse manually. Google Sheets is the new name for Google Docs Spreadsheets <<https://www.google.com/sheets/about>>.

**License** GPL-3

**Encoding** UTF-8

**URL** <https://github.com/maxconway/gsheet>

**BugReports** <https://github.com/maxconway/gsheet/issues>

**Language** en-GB

**Imports** httr, stringr

**Suggests** testthat, readr

**RoxygenNote** 7.3.2

**NeedsCompilation** no

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**Repository** CRAN

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`construct_download_url`*Construct a google sheet download url from the sheet's viewing url*

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### Description

Converts the viewing url for a google sheet to a download url.

### Usage

```
construct_download_url(url, format = "csv", sheetid = NULL)
```

### Arguments

<code>url</code>	the google sheet url
<code>format</code>	controls the column separator used. csv or tsv
<code>sheetid</code>	the id of the sheet to download from. (Default NULL, downloads the first sheet)

### Examples

```
# Download a sheet manually using readr
url <- 'docs.google.com/spreadsheets/d/1I9mJsS5QnXF2TNNntTy-HrcdHmIF9wJ80NYvEJTXSNo'

if(requireNamespace('readr', quietly=TRUE)){
  library(readr)
  read_csv(construct_download_url(url), col_types = cols(
    mpg = col_double(),
    cyl = col_integer(),
    disp = col_double(),
    hp = col_integer(),
    drat = col_double(),
    wt = col_double(),
    qsec = col_double(),
    vs = col_integer(),
    am = col_integer(),
    gear = col_integer(),
    carb = col_integer()
  ))
}
```

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`gsheet2tbl`*Download Google sheet as a table*

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## Description

This is a convenience function, designed to download a table quickly and conveniently. If you experience any unexpected results, or you want more reliability or control (e.g. for a production situation), then I'd recommend you parse manually using one of the constructions in the examples:

- `read.csv(text=gsheet2text(url, format='csv'), stringsAsFactors=FALSE)`

## Usage

```
gsheet2tbl(url, sheetid = NULL)
```

## Arguments

<code>url</code>	the google sheet url
<code>sheetid</code>	the index of the sheet to be downloaded. If you use the direct sheet URL, rather than the share by link, this will automatically be extracted. Otherwise, the first sheet will be downloaded by default.

## Details

The Google sheet must have 'share by link' turned on.

If the package `readr` is available, then it will be used. This can produce slightly different, but normally better, parsings.

## See Also

[gsheet2text](#) to download as plain text

## Examples

```
# Download a sheet
url <- 'docs.google.com/spreadsheets/d/1I9mJsS5QnXF2TNNntTy-HrcdHmIF9wJ80NYvEJTXSNo'
a <- gsheet2tbl(url)

# Download the second sheet, using the direct url
url <- 'docs.google.com/spreadsheets/d/1I9mJsS5QnXF2TNNntTy-HrcdHmIF9wJ80NYvEJTXSNo#gid=850032961'
b <- gsheet2tbl(url)

# To download a sheet with more control, use the following:
url <- 'docs.google.com/spreadsheets/d/1I9mJsS5QnXF2TNNntTy-HrcdHmIF9wJ80NYvEJTXSNo'
read.csv(text=gsheet2text(url, format='csv'), stringsAsFactors=FALSE)

# Or, with readr:
if(requireNamespace('readr', quietly=TRUE)){
```

```
library(readr)
read_csv(construct_download_url(url), col_types = cols(
  mpg = col_double(),
  cyl = col_integer(),
  disp = col_double(),
  hp = col_integer(),
  drat = col_double(),
  wt = col_double(),
  qsec = col_double(),
  vs = col_integer(),
  am = col_integer(),
  gear = col_integer(),
  carb = col_integer()
))
}
```

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gsheet2text

*Download Google sheet as text.*

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## Description

Downloads a Google sheet as text, using just the url. The Google sheet must have 'share by link' turned on.

## Usage

```
gsheet2text(url, format = "csv", sheetid = NULL)
```

## Arguments

url	the google sheet url
format	controls the column separator used. csv or tsv
sheetid	the id of the sheet to download from. (Default NULL, downloads the first sheet)

## Details

sheetid is the index of the sheet to be downloaded. If you use the direct sheet URL, rather than the share by link, this will automatically be extracted. Otherwise, the first sheet will be downloaded by default.

## See Also

[gsheet2text](#) to download as a table

**Examples**

```
url <- 'docs.google.com/spreadsheets/d/1I9mJsS5QnXF2TNNntTy-HrcdHmIF9wJ80NYvEJTXSNo'  
a <- gsheet2text(url)  
b <- read.csv(text=a)
```

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