

# Package ‘plotly’

July 9, 2013

**Type** Package

**Title** Graphs in a browser! An API to generate plots and graphs on  
https://plot.ly from R. Example graph: <https://plot.ly/~chris/407/>

**Version** 0.3

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## Description

Plotly (<https://plot.ly>) is a browser-based data visualization tool that creates interactive and publication quality figures. This API allows R users to generate Plotly graphs from their desktop R environment. Graphs made through this package are viewed and shared interactively in your browser. See <https://plot.ly/API> for examples and documentation.

**Imports** RCurl, RJSONIO

**Depends** RCurl, RJSONIO

**License** MIT

**Collate** ‘plotly.R’ ‘signup.R’

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plotly-package

*A R API for plot.ly*


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### Description

plot.ly is a browser-based data visualization tool that creates interactive and publication quality figures. This API allows R users to generate plot.ly graphs from their desktop R environment. Here is an example of an interactive graph made from the R API: <https://plot.ly/~chris/407/> Documentation and examples at <https://plot.ly/API>

### Details

Documentation and examples at <https://plot.ly/API>

```
Package:  plotly
Type:     Package
Version:  0.2
Date:     2013-06-12
License:  MIT
```

### Author(s)

Chris P <[chris@plot.ly](mailto:chris@plot.ly)>

### References

Documentation and examples at <https://plot.ly/API>

### Examples

```
# Up-to-date documentation and examples at https://plot.ly/API
# These examples may not be up-to-date
```

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plotly

*main interface to plotly*


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### Description

plotly interface object. See up-to-date documentation and examples at <https://plot.ly/API>

### Usage

```
# py <- plotly(username, key)
# py has 3 methods:
# 1 - Plotting: py$plotly(x1, y1[,x2,y2,...], kwargs=kw) or py$plotly({data1[,data2,...]}, kwargs=kw)
# 2 - Styling Data: py$style(data1,data2,..., kwargs=kwargs)
# 3 - Styling Layout: py$layout(layout, kwargs=kwargs)
```

**Arguments**

username	plotly username
key	plotly API key

**Details**

See documentation and examples at <https://plot.ly/API>

**Author(s)**

<chris@plot.ly>

**References**

<https://plot.ly/API>

**Examples**

```
## View https://plot.ly/API for more examples
## Generate a simple plot
# username <- "anna.lyst" # fill in with your plotly username
# api_key <- "y37zkd" # fill in with your plotly API key
# py <- plotly(username, api_key)
## generate some data
# x <- c(0,1,2)
# y <- c(10,11,12)
## send data to Plotly. Plotly will render an interactive graph and will return a URL where you can view your plot
# response <- py$plot(x,y) # sends data to Plotly, Plotly renders an interactive graph, and returns a URL where you can view your plot
# url = response$url # view your plot at this URL
```

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signup

*Sign up to plotly*

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**Description**

A sign up interface to Plotly through the R Console. See documentation and examples at <https://plot.ly/API>

**Usage**

```
signup(username, email)
```

**Arguments**

username	desired username
email	desired email

**Details**

See documentation and examples at <https://plot.ly/API>

**Value**

api_key	key to use with the api
tmp_pw	temporary password to access your plotly account

**Note**

<https://plot.ly/API>

**Author(s)**

<chris@plot.ly>

**References**

<https://plot.ly/API>

**Examples**

```
# See up-to-date documentation and examples at https://plot.ly/API
# username <- 'anna.lyst'
# email <- 'anna.lyst@plot.ly'
# response <- signup(username, email)
# response$api_key # key to access plotly with
# response$tmp_pw # temporary password to access your plotly account
```

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