

Package ‘Mobilize’

February 19, 2015

Type Package

Title Mobilize plots and functions

Version 2.16-4

Date 2014-09-11

Author Jeroen Ooms

Maintainer Jeroen Ooms <jeroen.ooms@stat.ucla.edu>

Description Some canned plots and functions designed for the mobilize project.
Designed to be called remotely.

License GPL

Depends R (>= 2.14), stats, methods, Ohmage

Imports ggplot2, wordcloud, reshape2

Suggests XML, maps

NeedsCompilation no

Repository CRAN

Date/Publication 2014-09-12 07:53:18

R topics documented:

biplot	2
campaigndata	2
distributionplot	3
getpicture	3
gmapdata	4
keepalive	4
responseplot	5
scatterplot	5
sharedplot	6
sharedtimeplot	7
timeplot	7
userplot	8
Index	9

biplot	<i>Generate a biplot of two variables</i>
--------	---

Description

Generate a biplot of two variables

Usage

```
biplot(campaign_urn, prompt_id, prompt2_id, ...)
```

Arguments

campaign_urn	id of the campaign
prompt_id	prompt on the x axis
prompt2_id	prompt on the y axis
...	other parameters passed on to oh.survey_response/read

Value

ggplot2 plot object

campaigndata	<i>Wrapper for oh.campaign.read</i>
--------------	-------------------------------------

Description

Wrapper for oh.campaign.read

Usage

```
campaigndata(...)
```

Arguments

...	arguments passed on to oh.campaign.read
-----	---

Value

List of campaigns and prompts

distributionplot	<i>Shows a histogram or barchart of the data</i>
------------------	--

Description

Shows a histogram or barchart of the data

Usage

```
distributionplot(campaign_urn, prompt_id, ...)
```

Arguments

campaign_urn	campaign id
prompt_id	id of the prompt
...	other arguments passed to oh.survey_response.read

Value

ggplot2 plot object

getpicture	<i>Wrapper for oh.image.read that adds a contenttype</i>
------------	--

Description

Wrapper for oh.image.read that adds a contenttype

Usage

```
getpicture(...)
```

Arguments

...	arguments passed on to oh.image.read
-----	--------------------------------------

Value

file with the photo image.

`gmapdata` *Not a plot, but generates some data with geotags for the demo front-end*

Description

Not a plot, but generates some data with geotags for the demo front-end

Usage

```
gmapdata(prompt_id = NULL, ...)
```

Arguments

`prompt_id` an optional prompt id to be added to the output
`...` arguments passed on to `oh.survey_response.read`

Value

a list with geotags and optionally pictures

`keepalive` *Simple call to test / revalidate token*

Description

Simple call to test / revalidate token

Usage

```
keepalive()
```

Value

list with result == "success"

responseplot	<i>Create a responseplot</i>
--------------	------------------------------

Description

Create a responseplot

Usage

```
responseplot(campaign_urn, aggregate, privacy_state = "both", ...)
```

Arguments

campaign_urn	id of the campaign
aggregate	optional number of days to aggregate over. Defaults to something smart.
privacy_state	either "shared" or "private" or "both"
...	stuff to pass on to oh.survey_response.read

Value

a responseplot

Examples

```
library(Mobilize)
## Not run:
#authentication works like a cookie.
#oh.login("ohmage.admin", "ohmage.passwd", "https://example.com/app")

#list campaigns you are in
#oh.campaign.read()

#make a plot
#responseplot("urn:ohmage:campaign:mycampaign");

## End(Not run)
```

scatterplot	<i>Create a scatterplot of two prompts</i>
-------------	--

Description

Create a scatterplot of two prompts

Usage

```
scatterplot(campaign_urn, prompt_id, prompt2_id, jitter = TRUE, ...)
```

Arguments

campaign_urn	id of the campaign
prompt_id	prompt on the x axis.
prompt2_id	prompt on the y axis
jitter	T/F. If points should be jittered
...	arguments passed on to oh.survey_response.read

Value

ggplot2 object

sharedplot	<i>A barchart of the number of shared and unshared responses per campaign</i>
------------	---

Description

A barchart of the number of shared and unshared responses per campaign

Usage

```
sharedplot(campaign_urn, ...)
```

Arguments

campaign_urn	campaign id
...	arguments passed on to oh.survey_response.read

Value

a ggplot2 object

sharedtimeplot	<i>Timeseries plot of the number of shared and unshared responses per campaign</i>
----------------	--

Description

Timeseries plot of the number of shared and unshared responses per campaign

Usage

```
sharedtimeplot(campaign_urn, aggregate, ...)
```

Arguments

campaign_urn	campaign id
aggregate	number of days to aggregate over. Optional. Defaults to something smart.
...	other arguments passed to oh.survey_response.read

Value

a ggplot2 object

timeplot	<i>Timeseries plot of a prompt</i>
----------	------------------------------------

Description

Timeseries plot of a prompt

Usage

```
timeplot(campaign_urn, prompt_id, aggregate, ...)
```

Arguments

campaign_urn	campaign id
prompt_id	prompt id
aggregate	number of days to aggregate over. Defaults to something smart.
...	other arguments passed on to oh.survey_response.read

Value

ggplot2 plot object

userplot	<i>Timeseries plot of data for a single user</i>
----------	--

Description

Timeseries plot of data for a single user

Usage

```
userplot(campaign_urn, prompt_id, user_id, ...)
```

Arguments

campaign_urn	campaign id
prompt_id	prompt id
user_id	user id
...	arguments passed on to <code>oh.survey_response.read</code>

Value

a ggplot2 plot object

Index

biplot, [2](#)

campaigndata, [2](#)

distributionplot, [3](#)

getpicture, [3](#)

gmapdata, [4](#)

keepalive, [4](#)

responseplot, [5](#)

scatterplot, [5](#)

sharedplot, [6](#)

sharedtimeplot, [7](#)

timeplot, [7](#)

userplot, [8](#)