Package ‘Mobilize’

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Type Package
Title Mobilize plots and functions
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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
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biplot  
*Generate a biplot of two variables*

**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

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campaigndata  
*Wrapper for oh.campaign.read*

**Description**
Wrapper for oh.campaign.read

**Usage**
campaigndata(...)

**Arguments**
... arguments passed on to oh.campaign.read

**Value**
List of campaigns and prompts
distributionplot

Shows a histogram or barchart of the data

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

Wrapper for oh.image.read that adds a contenttype

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"
Create a responseplot

**Description**
Create a responseplot

**Usage**
```r
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**
```r
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)
```

Create a scatterplot of two prompts

**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**

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

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

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

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

Timeseries plot of a prompt

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

*Timeseries plot of data for a single user*

**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 `ohsurvey_response.read`

**Value**

a ggplot2 plot object
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