

# Package: RMixpanel (via r-universe)

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**Title** API for Mixpanel

**Depends** R (>= 3.2.0)

**Description** Provides an interface to many endpoints of Mixpanel's Data Export, Engage and JQL API. The R functions allow for event and profile data export as well as for segmentation, retention, funnel and addiction analysis. Results are always parsed into convenient R objects. Furthermore it is possible to load and update profiles.

**Imports** jsonlite, uuid, RCurl, base64enc

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**URL** <https://github.com/ploner/RMixpanel>, <http://www.mixpanel.com>

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RMixpanel-package	<i>API for Mixpanel</i>
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## Description

Provides an interface to many endpoints of Mixpanel's Data Export, Engage and JQL API. The R functions allow for event and profile data export as well as for segmentation, retention, funnel and addiction analysis. Results are always parsed into convenient R objects. Furthermore it is possible to load and update profiles.

## Details

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The package provides access to the Mixpanel API. It allows to read raw data as well as to retrieve retention, addiction and segmentation data. Furthermore it is possible to load and update profiles.

## Author(s)

Meinhard Ploner [aut, cre, cph], ProSiebenSat.1 Digital GmbH [cph], BCG Digital Ventures GmbH [cph] Maintainer: Meinhard Ploner <meinhard.ploner@gmail.com>

## References

<https://mixpanel.com/help/reference/data-export-api>

---

createDateSequence      *Generate And Normalize Sequence Of Dates.*

---

**Description**

Generate a range of dates and normalize it. Used by other methods of this package.

**Usage**

```
createDateSequence(from, to=from)
```

**Arguments**

from	Start date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
to	End date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.

**Value**

Array of daily dates in format yyyy-mm-dd as needed for use in Mixpanel's API.'

**Author(s)**

Meinhard Ploner

**References**

<https://mixpanel.com/help/reference/data-export-api>

---

eventsJson2RMatrix      *Convert Events Exported From Mixpanel API To R Matrix*

---

**Description**

Convenience method to convert from pseudo json of Mixpanel's export API to R matrix holding events.

**Usage**

```
eventsJson2RMatrix(jsonData, select = TRUE)
```

**Arguments**

jsonData	Result of request to Mixpanel's Export API.
select	If select is an array of column names, only the specified properties are selected. If select is TRUE, all columns are selected.

**Details**

This helper function takes a json result as of the Mixpanel Export API and creates an R matrix holding the data. Array event properties are collapsed using a dash ('-') as separator.

**Value**

A character matrix showing one event per line. The first column represents the name of the event, the other column the event properties.

**Author(s)**

Meinhard Ploner

**See Also**

[mixpanelGetEvents](#)

---

merge.matrix

*Merge Two Matrices*

---

**Description**

Merge two matrices by common column names. Resulting matrix includes all data. Empty cells are filled with NA's.

**Usage**

```
## S3 method for class 'matrix'  
merge(x, y, ...)
```

**Arguments**

x	First matrix to be merged.
y	Second matrix to be merged.
...	Not used.

**Value**

A matrix resulting from a join of the 2 matrices.

**Author(s)**

Meinhard Ploner

---

mixpanelCreateAccount *Create Mixpanel Account*

---

## Description

Create object holding meta data of a Mixpanel project.

## Usage

```
mixpanelCreateAccount(name, token, key, secret, customEvents,  
  mongoDBname, dataPath, RDataPath)
```

## Arguments

name	Can be arbitrary.
token	API token of Mixpanel project.
key	API key of Mixpanel project.
secret	API secret of Mixpanel project.
customEvents	If you have custom events, add a <code>data.frame</code> to assign readable names using the format: <code>data.frame(custom_event_id=c(121212, ...), event_name=c("Event One", ...))</code> .
mongoDBname	Optional. Name of data base for usage in mongoDB. Used in future versions of the package.
dataPath	Optional. Path to store raw data of events and people.
RDataPath	Optional. Path to store R rda files.

## Value

An object holding all the values specified as parameters.

## Author(s)

Meinhard Ploner

## See Also

[mixpanelGetEvents](#), [mixpanelGetProfiles](#), [mixpanelGetSegmentation](#), [mixpanelGetRetention](#)

---

mixpanelGetAddiction *Addiction Report*

---

### Description

Get matrix of addiction data from Mixpanel API.

### Usage

```
mixpanelGetAddiction(account, event, from, to, unit, percentages, addictionUnit, ...)
```

### Arguments

account	A mixpanel account, as created by mixpanelCreateAccount.
event	Event name. If empty, all events are returned.
from	Start date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
to	End date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
unit	Defaults to 'day'.
percentages	Output as counts or percentages?
addictionUnit	Sub time unit for addiction calculation.
...	Additional arguments to Mixpanel API.

### Value

Matrix consisting of one row for each cohort. The first column holds the cohort sizes, the following columns the number of profiles having tracked events within the specified time interval.

### Author(s)

Meinhard Ploner

### References

<https://mixpanel.com/help/reference/data-export-api#retention>

### See Also

[mixpanelGetRetention](#)

---

`mixpanelGetData`*General Method For Mixpanel API Requests*

---

### Description

This method handles the authentication and download of data from the Mixpanel API as well as data persistence. The method is used by many of the more specialized methods of this package.

### Usage

```
mixpanelGetData(account, method="export/", args, validitySeconds=60, verbose=TRUE,  
  fileName="", data=FALSE, retryCount=0, encoding="UTF-8")
```

### Arguments

<code>account</code>	A mixpanel account, as defined in <code>mixpanelCreateAccount</code> .
<code>method</code>	API method (route).
<code>args</code>	Arguments as described in <a href="https://mixpanel.com/help/reference/data-export-api">https://mixpanel.com/help/reference/data-export-api</a> .
<code>validitySeconds</code>	Expiration of API request.
<code>verbose</code>	If FALSE, less information is shown on the console.
<code>fileName</code>	File name to persist data (defaults to <code>./temp.txt</code> ). If supplied, <code>account\$dataPath</code> is used as path.
<code>data</code>	If FALSE, data is downloaded, but not returned as function argument.
<code>retryCount</code>	How many times a failed request should be retried?
<code>encoding</code>	JSON Encoding. Default is UTF8.

### Value

If `data==TRUE`, the method returns the response of the API request (raw character vector). Otherwise nothing is returned.

### Author(s)

Meinhard Ploner

### References

<https://mixpanel.com/help/reference/data-export-api>

**Examples**

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
                                key="543c55...")

mixpanelGetData(account, method="funnels/list/", args=list(), data=TRUE)

## End(Not run)
```

---

mixpanelGetEvents	<i>Get Events From Mixpanel API</i>
-------------------	-------------------------------------

---

**Description**

Get a matrix filled with event data from the Mixpanel API.

**Usage**

```
mixpanelGetEvents(account, event, from, to = from, daysPerBlock = 10,
                  select = TRUE, verbose = TRUE, df = FALSE, encoding="UTF-8", ...)
```

**Arguments**

account	A mixpanel account, as defined in mixpanelCreateAccount.
event	Array of event names. If empty, all events are returned.
from	Start date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
to	End date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
daysPerBlock	Data is downloaded in blocks of fixed size.
select	If "select" is an array of column names, only the specified properties are selected. If TRUE, all columns are selected.
verbose	If TRUE more output is generated.
df	Clean data and return data.frame instead of matrix?
encoding	JSON Encoding. Default is UTF8.
...	Additional arguments to be included in the Mixpanel API request. E.g. where = "properties[\"\$os\"]==\"iPhone OS\""). See also <a href="https://mixpanel.com/help/reference/data-export-api#events">https://mixpanel.com/help/reference/data-export-api#events</a> .

**Value**

A character matrix showing one event per line. The first column represents the name of the event, the other column the event properties.



**Author(s)**

Meinhard Ploner

**See Also**

[mixpanelGetProfiles](#), [mixpanelGetEventsForProfiles](#)

---

mixpanelGetEventsForProfiles

*Get Events For Specified Profiles*

---

**Description**

Get a matrix filled with event data for specified people profiles.

**Usage**

```
mixpanelGetEventsForProfiles(account, distinctIDs, from, to, verbose,  
encoding="UTF-8", ...)
```

**Arguments**

account	A mixpanel account, as defined in <code>mixpanelCreateAccount</code> .
distinctIDs	Array of profile IDs.
from	Date in format yyyy-mm-dd, where month number starts with 0.
to	Date in format yyyy-mm-dd, where month number starts with 0.
verbose	Parameter passed to <code>mixpanelGetData</code> . Boolean.
encoding	JSON Encoding. Default is UTF8.
...	List of additional arguments being included in the Mixpanel API request. E.g. <code>limit=5, ...</code>

**Value**

A character matrix showing one event per line. The first column represents the name of the event, the other column the event properties.

**Author(s)**

Meinhard Ploner

**See Also**

[mixpanelGetProfiles](#), [mixpanelGetEvents](#)

---

`mixpanelGetEventsFromFiles`*Get Events From Files*

---

**Description**

Get an R matrix filled with event data using data saved into files.

**Usage**

```
mixpanelGetEventsFromFiles(account, from, to, eventNames=c(),
  select=TRUE, blocksize=500000, df = FALSE, verbose=TRUE)
```

**Arguments**

<code>account</code>	A mixpanel account, as defined in <code>mixpanelCreateAccount</code> .
<code>from</code>	Start date in either format <code>&lt;"yyyy-mm-dd"&gt;</code> or <code>&lt;yyyymmdd&gt;</code> . Inclusive.
<code>to</code>	End date in either format <code>&lt;"yyyy-mm-dd"&gt;</code> or <code>&lt;yyyymmdd&gt;</code> . Inclusive.
<code>eventNames</code>	If an array of event names, only these are returned by the method.
<code>select</code>	If "select" is an array of column names, only the specified properties are selected. If TRUE, all columns are selected.
<code>blocksize</code>	Block size for reading files from disk.
<code>df</code>	Clean data and return data.frame instead of matrix?
<code>verbose</code>	If TRUE more output is generated.

**Value**

A character matrix showing one event per line. The first column represents the name of the event, the other column the event properties.

**Author(s)**

Meinhard Ploner

**See Also**

[mixpanelGetEvents](#)

---

mixpanelGetFunnel      *Funnel*

---

### Description

Get funnel data from Mixpanel API. Custom events are names accordingly, if account is set up correctly using mixpanelCreateAccount.

### Usage

```
mixpanelGetFunnel(account, funnel, from, to=from, verbose=TRUE, ...)
```

### Arguments

account	A mixpanel account, as defined in mixpanelCreateAccount.
funnel	Either name or ID of the funnel. See also mixpanelGetFunnelList.
from	Start date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
to	End date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
verbose	If TRUE more output is generated.
...	Additional arguments to Mixpanel API. E.g. interval=14, unit='week', interval=90, ...

### Value

Object of class `funnel` including a list of `data.frame`'s representing the funnels for each time frame.

### Author(s)

Meinhard Ploner

### References

<https://mixpanel.com/help/reference/data-export-api#funnels>

### See Also

[mixpanelGetFunnelList](#)

### Examples

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
```

```
                                key="543c55...")
mixpanelGetFunnel(account, "Funnel001", from=20161001, to=20161101, unit="week")

## End(Not run)
```

---

mixpanelGetFunnelList *Funnel List*

---

### Description

Get list of all defined funnels from Mixpanel API.

### Usage

```
mixpanelGetFunnelList(account, verbose=TRUE)
```

### Arguments

account	A mixpanel account, as defined in mixpanelCreateAccount.
verbose	If TRUE more output is generated.

### Value

A data.frame with 1 row for each funnel. Columns include

funnel_id	ID of the funnel.
name	Name of the funnel.

### Author(s)

Meinhard Ploner

### References

<https://mixpanel.com/help/reference/data-export-api#funnels>

### See Also

[mixpanelGetFunnel](#)

## Examples

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
                                key="543c55...")

mixpanelGetFunnelList(account)

## End(Not run)
```

---

mixpanelGetProfiles    *Get Profiles From Mixpanel API*

---

## Description

Get a matrix filled with profiles (also called 'users' or 'people') taken from the Mixpanel People API.

## Usage

```
mixpanelGetProfiles(account, where="", select, maxPage=100000, verbose=TRUE)
```

## Arguments

account	A mixpanel account, as defined in mixpanelCreateAccount.
where	Expression, see <a href="https://mixpanel.com/help/reference/data-export-api#segmentation-expressions">https://mixpanel.com/help/reference/data-export-api#segmentation-expressions</a> .
select	If "select" is an array of column names, only the specified properties are selected. If TRUE, all columns are selected.
maxPage	The API delivers usually about 1000 users per page. Setting this parameter can limit the response for testing purposes. A value of 9 returns page 0 to page 9, i.e. 10000 profiles.
verbose	If FALSE less output is generated.

## Value

A character matrix showing one profile per line. The first column represents the distinct ID of the profile, the other column the profile properties.

## Author(s)

Meinhard Ploner

## References

<https://mixpanel.com/help/reference/data-export-api#people-analytics>

**See Also**[mixpanelGetEvents](#)**Examples**

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
                                key="543c55...")

profiles = mixpanelGetProfiles(account, where='properties["KPI1"] > 1.32',
                               select=c("KPI1", "KPI2"))

print(profiles)

## End(Not run)
```

---

`mixpanelGetProfilesCount`*Get Profiles Count From Mixpanel API*

---

**Description**

Get the number of profiles (also called 'users' or 'people') conforming to the requested query from the Mixpanel People API.

**Usage**

```
mixpanelGetProfilesCount(account, where = "", verbose=TRUE)
```

**Arguments**

account	A mixpanel account, as defined in <code>mixpanelCreateAccount</code> .
where	Expression, see <a href="https://mixpanel.com/help/reference/data-export-api#segmentation-expressions">https://mixpanel.com/help/reference/data-export-api#segmentation-expressions</a> .
verbose	If TRUE more output is generated.

**Value**

The number of profiles conforming to the query.

**Author(s)**

Meinhard Ploner

**References**

<https://mixpanel.com/help/reference/data-export-api#people-analytics>

**See Also**

[mixpanelGetProfiles](#)

**Examples**

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
                                key="543c55...")

mixpanelGetProfilesCount(account, where='properties["KPI1"] > 1.32')

## End(Not run)
```

---

mixpanelGetRetention    *Retention Report*

---

**Description**

Get retention data from Mixpanel API. The resulting object can be printed nicely using `print.retention`.

**Usage**

```
mixpanelGetRetention(account, event, from, to, unit, retentionType,
                     intervalCount, verbose=TRUE, ...)
```

**Arguments**

<code>account</code>	A mixpanel account, as defined in <code>mixpanelCreateAccount</code> .
<code>event</code>	Event name. If empty, all events are returned.
<code>from</code>	Start date in either format <"yyyy-mm-dd"> or <yyymmdd>. Inclusive.
<code>to</code>	End date in either format <"yyyy-mm-dd"> or <yyymmdd>. Inclusive.
<code>unit</code>	Defaults to 'day'.
<code>retentionType</code>	birth (=First time) or compounded (=Recurring). Defaults to 'birth'.
<code>intervalCount</code>	Number of intervals per cohort to return.
<code>verbose</code>	If TRUE more output is generated.
<code>...</code>	Additional arguments to Mixpanel API. E.g. <code>born_event='Event name'</code> (needed for retention type 'birth'), or <code>born_where='properties["Prop name"]=="value"'</code> .

**Value**

Object of class retention including

dates	Start dates of each cohort.
cohortCount	Size of cohorts (people count).
retainCount	Number of retained people.
retainPerc	Percentage of retained people.

**Author(s)**

Meinhard Ploner

**References**

<https://mixpanel.com/help/reference/data-export-api#retention>

**See Also**

[mixpanelGetAddiction](#)

**Examples**

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
                                key="543c55...")
mixpanelGetRetention(account, born_event="AppInstall", event="WatchedItem",
                     from=20150701, to=20151101, unit="week")

## End(Not run)
```

---

```
mixpanelGetSegmentation
```

*Segmentation Report*

---

**Description**

Get a matrix of events segmented by 1 or 2 properties. Event data is taken from the Mixpanel Segmentation API.

**Usage**

```
mixpanelGetSegmentation(account, event, from, to, unit, type, on, action, verbose, ...)
```



**Arguments**

account	A mixpanel account, as defined in <code>mixpanelCreateAccount</code> .
event	Event name. If empty, all events are returned. Custom events are supported, if account is set up correctly using <code>mixpanelCreateAccount</code> .
from	Start date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
to	End date in either format <"yyyy-mm-dd"> or <yyyymmdd>. Inclusive.
unit	Defaults to 'day'.
type	This can be "general", "unique", or "average".
on	Array of up to 2 property names for segmentation. An empty array returns unsegmented counts. E.g. 'properties["\$os"]'
.	
action	Could be "sum" or "average". If given, 1st property listed in on is aggregated by this function.
verbose	If FALSE less output is generated.
...	Additional arguments to Mixpanel API. See also <a href="https://mixpanel.com/help/reference/data-export-api#segmentation">https://mixpanel.com/help/reference/data-export-api#segmentation</a> .

**Value**

2 or 3-dimensional array showing event counts. The first dimension represents the time in the specified unit. The other dimension(s) are determined by the segmentation properties. Usually the Mixpanel API does not return more than 60 or 100 slots per segmentation property. For more data, use the events API (`mixpanelGetEvents`).

**Author(s)**

Meinhard Ploner

**References**

<https://mixpanel.com/help/reference/data-export-api#segmentation>

---

mixpanelJQLQuery

*Query the Mixpanel JQL API*

---

**Description**

This method performs a JQL Query with some custom script as parameter. The query string can be given either as character vector or saved into a file and passed via file name.

**Usage**

```
mixpanelJQLQuery(account, jqlString, jqlScripts, paths=".", columnNames, toNumeric=c())
```

**Arguments**

account	A mixpanel account, as defined in mixpanelCreateAccount.
jqlString	JQL script as string.
jqlScripts	List of JQL script file names.
paths	Paths to search JS files.
columnNames	Column names for the resulting data.frame. Optional.
toNumeric	Column indices which should be converted to numeric. Optional.

**Value**

If data==TRUE, the method returns the response of the API request (raw character vector). Otherwise nothing is returned.

**Author(s)**

Meinhard Ploner

**References**

<https://mixpanel.com/help/reference/jql>

**Examples**

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
                                key="543c55...")

## Simple query: number of events for each 'distinct_id'.
jqlQuery <- '
function main() {
  return Events({
    from_date: "2016-01-01",
    to_date: "2016-12-31"
  })
  .groupByUser(mixpanel.reducer.count())
}'

res <- mixpanelJQLQuery(account, jqlQuery,
                        columnNames=c("distinctID", "Count"), toNumeric=2)

hist(res$Count)

## End(Not run)
```

---

mixpanelUpdateProfile *Update Mixpanel Profile*

---

### Description

Update Mixpanel profiles (also called 'users' or 'people') using the Mixpanel Engage API.

### Usage

```
mixpanelUpdateProfile(account, distinctID, data,  
  updateLastSeen=FALSE, updateLocation=FALSE, retryCount=100)
```

### Arguments

account	A mixpanel account, as defined in <code>mixpanelCreateAccount</code> .
distinctID	A distinct ID, identifying the profile. Could be extracted by calling <code>mixpanelGetProfiles</code>
data	JSON dictionary with property names and values. See Mixpanel documentation or example below.
updateLastSeen	If true, Mixpanel will update the <i>Last Seen</i> property. Default is false
updateLocation	If false, Mixpanel will not update the IP address of the profile. Default is false
retryCount	Applied if the HTTP request fails.

### Value

None.

### Author(s)

Meinhard Ploner

### References

<https://mixpanel.com/help/reference/http#people-analytics-updates>

### See Also

[mixpanelGetProfiles](#)

### Examples

```
## Not run:  
## Fill in here the API token, key and secret as found on  
## www.mixpanel.com - Account -> Projects.  
account = mixpanelCreateAccount("ProjectName",  
  token="c12g3...",  
  secret="168e7e...",  
  key="543c55...")
```

```

mixpanelUpdateProfile(
  account,
  "11b9c243-4ea3...",
  data=list(
    "$set"=list(day=jsonlite::unbox(12),
               month=jsonlite::unbox(3),
               "$name"=jsonlite::unbox("Dummy name")),
    "$setOnce"=list(installYear=2016),
    "$unset"=c("oldProp1", "oldProp2"),
    "$union"=list(month=10:12)
    ## "$delete": ""    ## !!! Delete user. !!!
  )
)

## End(Not run)

```

---

plot.retention

*Plot Retention Rates*


---

## Description

Plot Retention Rates as a line chart. Multiple chart types are available.

## Usage

```

## S3 method for class 'retention'
plot(x, type="all", percentages=TRUE, omitLast=TRUE,
     colors, durations, y, ...)

```

## Arguments

x	Object of class retention, as loaded by mixpanelGetRetention.
type	Character vector. If "all", all chart types are plotted. Valid values are "cohortsByDate", "cohortsByAge", "byDuration".
percentages	Use retention counts or percentages? Default is TRUE.
omitLast	Omit last value per series? Useful for Mixpanel data, because last value is usually based on partial data!
colors	Colors for lines. Optional.
durations	Selected Durations (index). Default is c(1, 2, 5, 10).
y	Not used.
...	Not used.

## Author(s)

Meinhard Ploner

**References**

<https://mixpanel.com/help/reference/data-export-api#retention>

**See Also**

[mixpanelGetRetention](#)

**Examples**

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
                                key="543c55...")
ret = mixpanelGetRetention(account, born_event="AppInstall", event="WatchedItem",
                           from=20150701, to=20151101, unit="week")

par(mfrow=c(2, 2))
plot(ret, type="all")
par(mfrow=c(1, 1))

## End(Not run)
```

---

print.retention	<i>Print Retention Matrix</i>
-----------------	-------------------------------

---

**Description**

Print Retention Matrix as counts or percentages.

**Usage**

```
## S3 method for class 'retention'
print(x, percentages=TRUE, silent=FALSE, ...)
```

**Arguments**

x	Object of class retention, as loaded by mixpanelGetRetention.
percentages	Boolean. Indicates if retain counts should be shown as percentages or raw count. default is TRUE, returning percentages (0-100).
silent	If TRUE, the table is returned without printing anything.
...	Not used.

**Value**

Matrix consisting of one row for each cohort. The first column holds the cohort sizes, the following columns the counts for subsequent periods. If percentages is TRUE, the counts are percentages (except first column).

**Author(s)**

Meinhard Ploner

**References**

<https://mixpanel.com/help/reference/data-export-api#retention>

**See Also**

[mixpanelGetRetention](#)

**Examples**

```
## Not run:
## Fill in here the API token, key and secret as found on
## www.mixpanel.com - Account -> Projects.
account = mixpanelCreateAccount("ProjectName",
                                token="c12g3...",
                                secret="168e7e...",
                                key="543c55...")
ret = mixpanelGetRetention(account, born_event="AppInstall", event="WatchedItem",
                           from=20150701, to=20151101, unit="week")
print(ret, percentages=FALSE)
print(ret, percentages=TRUE)

## End(Not run)
```

---

profilesJson2RMatrix *Convert Profiles Exported From Mixpanel API To R Matrix.*

---

**Description**

Convenience function to convert json result of engage API to R matrix holding people data.

**Usage**

```
profilesJson2RMatrix(jsonData, select = TRUE)
```

**Arguments**

jsonData	Result of request to Mixpanel's Engage API.
select	If "select" is an array of column names, only the specified properties are selected. If TRUE, all columns are selected.

**Details**

This helper function takes a json result as of the Mixpanel Engage API and creates a R matrix holding the data. Array user properties are collapsed using a dash ('-') as separator.

**Value**

A character matrix showing one profile per line. The first column represents the distinct ID of the profile, the other column the profile properties.

**Author(s)**

Meinhard Ploner

**See Also**

[mixpanelGetProfiles](#)

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