

Package: odk (via r-universe)

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Type Package

Title Convert 'ODK' or 'XLSForm' to 'SPSS' Data Frame

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Description After develop a 'ODK' <<https://opendatakit.org/>> frame, we can link the frame to 'Google Sheets' <<https://www.google.com/sheets/about/>> and collect data through 'Android' <<https://www.android.com/>>. This data uploaded to a 'Google sheets'. odk2spss() function help to convert the 'odk' frame into 'SPSS' <<https://www.ibm.com/analytics/us/en/technology/spss/>> frame. Also able to add downloaded 'Google sheets' data or read data from 'Google sheets' by using 'ODK' frame 'submission_url'.

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Depends R (>= 3.4.1)

Imports gsheets, openxlsx, utils

NeedsCompilation no

Config/pak/sysreqs libicu-dev libssl-dev

Repository <https://humanitarian-user-group.r-universe.dev>

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Contents

gs.data	2
odk.frame	2
odk2spss	3

Index**5**

gs.data	<i>'Google Sheets' Data for 'odk.frame'</i>
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Description

After develop a **'ODK' frame**, we can link the frame to **'Google Sheets'** and collect data through **'Android'**. This data uploaded to a 'Google sheets'. The gs.data is a 'Google sheets' data collected though odk.frame file. Both odk.frame and gs.data are in 'xlsx' format. To develop your own **'ODK'** frame visit <https://build.opendatakit.org/>

Usage

```
data("gs.data")
```

Examples

```
library(odk)
data(gs.data)
data(odk.frame)

### For convert 'odk.frame' to 'SPSS' frame and input Corresponding 'Google Sheets' data

odk2spss(xlsx=odk.frame, pc.data=gs.data, out.path="spss.sps")
```

odk.frame	<i>'Google Sheets' or 'XLSForm' Dummy 'ODK' Frame</i>
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Description

After develop a **'ODK' frame**, we can link the frame to **'Google Sheets'** and collect data through **'Android'**. This data uploaded to a 'Google sheets'.The odk.frame is a **'ODK'** data frame. The gs.data is a 'Google sheets' data collected though odk.frame file. Both odk.frame and gs.data are in 'xlsx' format. To develop your own **'ODK'** frame visit <https://build.opendatakit.org/>

Usage

```
data("odk.frame")
```

Examples

```
library(odk)
data(odk.frame)
data(gs.data)

### For convert 'odk.frame' to 'SPSS' frame and input Corresponding 'Google Sheets' data

odk2spss(xlsx=odk.frame, pc.data=gs.data, out.path="spss.sps")
```

odk2spss

*Convert 'ODK' or 'XLSForm' to 'SPSS' Data Frame***Description**

After develop a 'ODK' frame, we can [link the frame to 'Google Sheets'](#) and collect data through 'Android'. This data uploaded to a 'Google sheets'. odk2spss() function help to convert the 'ODK' frame into 'SPSS' frame. Also able to add downloaded 'Google sheets' data by using pc.data or read data from 'Google sheets' by using 'ODK' frame 'submission_url'.

Usage

```
odk2spss(xlsx, pb.url=NULL, pc.data = NULL, out.path = NULL)
```

Arguments

xlsx	path of 'ODK' or XLSForm questionnaire frame in 'xlsx' format.
pb.url	Published link of 'Google Sheets' for data, if pb.url = NULL , then the odk2spss() function try to get data from pc.data.
pc.data	path of data file in 'xlsx' format, if pc.data = NULL , then the odk2spss() function download data from 'Google Sheets', internet connection needed for this.
out.path	path of output file with file name (ex: path/output_file.sps).if out.path=NULL, then odk2spss() function will show the auto output file path.

Value

odk2spss() create a '*.sps' file. Open '*.sps' file by 'SPSS' software and Run. Then we will get 'SPSS' data frame with data.

Note

odk2spss() worked nicely for text, single choice, multiple choice and numeric variable. Also work on other type variables. Do not use ",", ".", "-", and "_" separator in variable name. Do not use group variable in 'ODK' frame. Always keep a non-empty variable as your last variable in 'ODK' frame.

Author(s)

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Examples

```
library(odk)
data(odk.frame)
data(gs.data)
##--Convert 'odk.frame' to 'SPSS' data frame and input gs.data data set.

odk2spss(xlsx=odk.frame, pc.data=gs.data, out.path="spss.sps")
```

```
##### Internet connection needed if pc.data = NULL
```

Index

- * **SPSS**

- odk2spss, [3](#)

- * **XLSForm**

- odk2spss, [3](#)

- * **gs.data**

- gs.data, [2](#)

- * **odk.frame**

- odk.frame, [2](#)

- * **odk**

- odk2spss, [3](#)

gs.data, [2](#)

odk.frame, [2](#)

odk2spss, [3](#)