

# Package: odk (via r-universe)

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**Type** Package

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

**Version** 1.5

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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'.

**License** GPL-3

**Depends** R (>= 3.4.1)

**Imports** gsheets, openxlsx, utils

**NeedsCompilation** no

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

**RemoteUrl** <https://github.com/cran/odk>

**RemoteRef** HEAD

**RemoteSha** 452132f62c08f8aa23dcc252a0d251c0333a4e99

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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 <b>XLSForm</b> 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 ",", ".", "-", "\_" 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
```

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