

# Package ‘DataLoader’

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**Title** Import Multiple File Types

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**Description** Functions to import multiple files of multiple data file types ('.xlsx', '.xls', '.csv', '.txt')  
from a given directory into R data frames.

**Depends** readxl, plyr, tools, xlsx, rChoiceDialogs

**Suggests** testthat

**License** GPL (>= 2)

**LazyData** TRUE

**NeedsCompilation** no

**Repository** CRAN

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`importAllMdf`*Importing multiple file types and storing it into a list of data frames*

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**Description**

`importAllMdf` function loads various data file types in a selected directory to separate dataframes, and stores them as a list. Data frames can be accessed as list elements by using "`listname$filename`" or "`listname[]`".

**Usage**

```
importAllMdf(path = NULL)
```

**Arguments**

`path` the directory in which the files are stored. If `path` is not given, interactive dialog box will be used to select directory

**Value**

a single list of dataframes containing all the files imported and stored as dataframes.

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`importAllSdf`*Importing multiple file types and storing it into a Single R Dataframe*

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**Description**

`importAllSdf` function loads various data file types in a selected directory to dataframes, combines all the data frames and stores it as a single data frame. Note that all the files to be loaded should have the same number of columns for `rbind` to work

**Usage**

```
importAllSdf(path = NULL)
```

**Arguments**

`path` the directory in which the files are stored. If `path` is not given, interactive dialog box will be used to select directory

**Value**

a single dataframe containing all the files imported and rbinded into one.

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importCsv	<i>Importing multiple csv files and storing it into a list of data frames</i>
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**Description**

importCsv function loads .csv file types in a selected directory to separate dataframes, and stores them as a list. Data frames can be accessed as list elements by using "listname\$filename" or "listname[]".

**Usage**

```
importCsv(path = NULL)
```

**Arguments**

path	the directory in which the files are stored. If path is not given, interactive dialog box will be used to select directory
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**Value**

a single list of dataframes containing all the files imported and stored as dataframes.

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importCsv2	<i>Importing multiple csv files("; " delimited) and storing it into a list of data frames</i>
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**Description**

importCsv2 function loads .csv file types in a selected directory to separate dataframes, and stores them as a list. Data frames can be accessed as list elements by using "listname\$filename" or "listname[]".

**Usage**

```
importCsv2(path = NULL)
```

**Arguments**

path	the directory in which the files are stored. If path is not given, interactive dialog box will be used to select directory
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**Value**

a single list of dataframes containing all the files imported and stored as dataframes.

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importExcel	<i>Importing multiple excel files and storing it into a list of data frames</i>
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**Description**

importExcel function loads excel data file types(.xlsx, .xls) in a selected directory to separate dataframes, and stores them as a list. Data frames can be accessed as list elements by using "listname\$filename" or "listname[]".

**Usage**

```
importExcel(path = NULL)
```

**Arguments**

path	the directory in which the files are stored. If path is not given, interactive dialog box will be used to select directory
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**Value**

a single list of dataframes containing all the files imported and stored as dataframes.

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importPipe	<i>Importing multiple pipe delimited files and storing it into a list of data frames</i>
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**Description**

importPipe function loads various text files which use a Pipe delimiter(|) in a selected directory to separate dataframes, and stores them as a list. Data frames can be accessed as list elements by using "listname\$filename" or "listname[]".

**Usage**

```
importPipe(path = NULL)
```

**Arguments**

path	the directory in which the files are stored. If path is not given, interactive dialog box will be used to select directory
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**Value**

a single list of dataframes containing all the files imported and stored as dataframes.

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importTab	<i>Importing multiple tab delimited files and storing it into a list of data frames</i>
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**Description**

importTab function loads various text files which uses a tab delimiter in a selected directory to separate dataframes, and stores them as a list. Data frames can be accessed as list elements by using "listname\$filename" or "listname[]".

**Usage**

```
importTab(path = NULL)
```

**Arguments**

path	the directory in which the files are stored. If path is not given, interactive dialog box will be used to select directory
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**Value**

a single list of dataframes containing all the files imported and stored as dataframes.

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importTilde	<i>Importing multiple tilde delimited files and storing it into a list of data frames</i>
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**Description**

importTilde function loads various text files which uses a tilde delimiter(~) in a selected directory to separate dataframes, and stores them as a list. Data frames can be accessed as list elements by using "listname\$filename" or "listname[]".

**Usage**

```
importTilde(path = NULL)
```

**Arguments**

path	the directory in which the files are stored. If path is not given, interactive dialog box will be used to select directory
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**Value**

a single list of dataframes containing all the files imported and stored as dataframes.

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