

# API Documentation

API Documentation

September 2, 2013

## Contents

<b>Contents</b>	<b>1</b>
<b>1 Package lotto</b>	<b>3</b>
1.1 Modules . . . . .	3
1.2 Variables . . . . .	3
<b>2 Module lotto.auswertung</b>	<b>4</b>
2.1 Variables . . . . .	4
2.2 Class ui_lotto_auswertung . . . . .	4
2.2.1 Methods . . . . .	5
2.2.2 Properties . . . . .	7
2.2.3 Class Variables . . . . .	7
<b>3 Module lotto.datahandler</b>	<b>8</b>
3.1 Variables . . . . .	8
3.2 Class Datahandler . . . . .	8
3.2.1 Methods . . . . .	10
3.2.2 Properties . . . . .	13
<b>4 Package lotto.gui</b>	<b>14</b>
4.1 Variables . . . . .	14
<b>5 Module lotto.kalender_datum</b>	<b>15</b>
5.1 Variables . . . . .	15
5.2 Class ui_kalender . . . . .	16
5.2.1 Methods . . . . .	16
5.2.2 Properties . . . . .	18
5.2.3 Class Variables . . . . .	18
<b>6 Module lotto.lotto_gui_dateneing</b>	<b>20</b>
6.1 Functions . . . . .	20
6.2 Variables . . . . .	20
6.3 Class MeinDialog . . . . .	21
6.3.1 Methods . . . . .	21
6.3.2 Properties . . . . .	26
6.3.3 Class Variables . . . . .	26
<b>7 Module lotto.webzugriff</b>	<b>27</b>

---

7.1	Functions . . . . .	27
7.2	Variables . . . . .	27
<b>8</b>	<b>Module lotto.zufallszahl</b>	<b>28</b>
8.1	Functions . . . . .	28
8.2	Variables . . . . .	28
	<b>Index</b>	<b>30</b>

# 1 Package lotto

## 1.1 Modules

- **auswertung**: pyLottoverwaltung  
(Section 2, p. 4)
- **datahandler**: the data handler for insert, get and delete data in the database  
(Section 3, p. 8)
- **gui** (Section 4, p. 14)
- **kalender\_\_datum**: pyLottoverwaltung  
(Section 5, p. 15)
- **lotto\_\_gui\_\_dateneing**: pyLottoverwaltung  
(Section 6, p. 20)
- **webzugriff**: pyLottoverwaltung  
(Section 7, p. 27)
- **zufallszahl**: Erzeugen einer Zufallszahl, mit Modultest beim direkten Aufruf  
(Section 8, p. 28)

## 1.2 Variables

Name	Description
__package__	<b>Value:</b> None

## 2 Module `lotto.auswertung`

`pyLottoverwaltung`

Copyright (C) <2012-2013> Markus Hackspacher

This file is part of `pyLottoverwaltung`.

`pyLottoverwaltung` is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

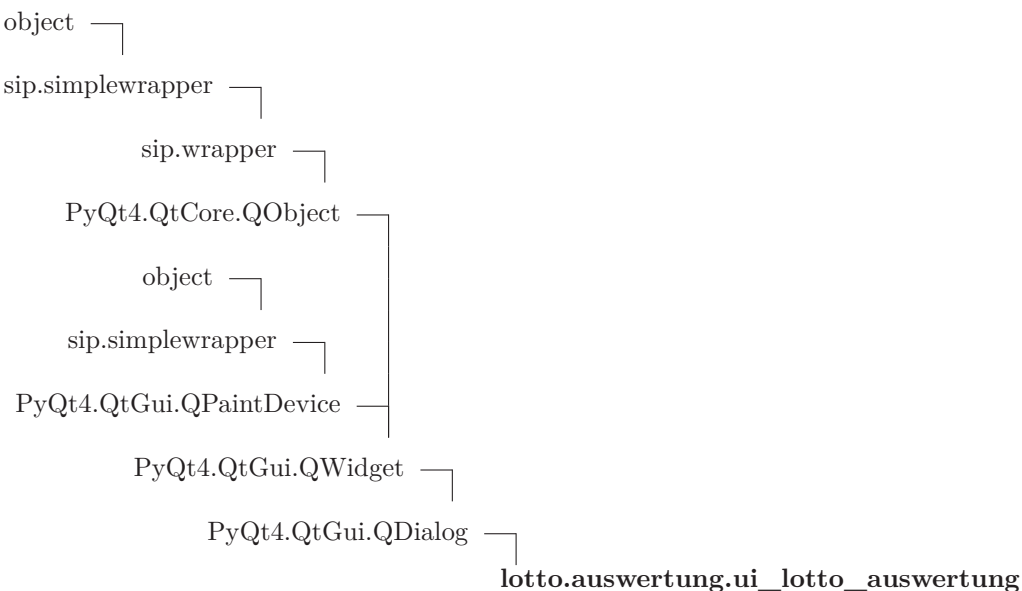
`pyLottoverwaltung` is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU General Public License along with `pyLottoverwaltung`. If not, see <<http://www.gnu.org/licenses/>>.

### 2.1 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> <code>'lotto'</code>
<code>__warningregistry__</code>	<b>Value:</b> <code>{('the sets module is deprecated', &lt;type 'exceptions.Depr...</code>

### 2.2 Class `ui_lotto_auswertung`



### 2.2.1 Methods

<b><code>__init__</code></b> ( <i>self</i> , <i>rowid</i> , <i>data_handler</i> )
open analyze dialog Datenauswerte Dialog oeffnen
<b>Parameters</b>
<i>data_handler</i> : ( <i>type=datahandler</i> )
<i>rowid</i> : ( <i>type=int</i> )
<b>Return Value</b>
give <code>close(0)</code> back
Overrides: <code>object.__init__</code>

#### *Inherited from `PyQt4.QtGui.QDialog`*

`accept()`, `accepted()`, `closeEvent()`, `contextMenuEvent()`, `done()`, `eventFilter()`, `exec_()`, `extension()`, `finished()`, `isSizeGripEnabled()`, `keyPressEvent()`, `minimumSizeHint()`, `open()`, `orientation()`, `reject()`, `rejected()`, `resizeEvent()`, `result()`, `setExtension()`, `setModal()`, `setOrientation()`, `setResult()`, `setSizeGripEnabled()`, `setVisible()`, `showEvent()`, `showExtension()`, `sizeHint()`

#### *Inherited from `PyQt4.QtGui.QWidget`*

`acceptDrops()`, `accessibleDescription()`, `accessibleName()`, `actionEvent()`, `actions()`, `activateWindow()`, `addAction()`, `addActions()`, `adjustSize()`, `autoFillBackground()`, `backgroundRole()`, `baseSize()`, `changeEvent()`, `childAt()`, `childrenRect()`, `childrenRegion()`, `clearFocus()`, `clearMask()`, `close()`, `contentsMargins()`, `contentsRect()`, `contextMenuPolicy()`, `create()`, `cursor()`, `customContextMenuRequested()`, `destroy()`, `devType()`, `dragEnterEvent()`, `dragLeaveEvent()`, `dragMoveEvent()`, `dropEvent()`, `effectiveWinId()`, `enabledChange()`, `ensurePolished()`, `enterEvent()`, `event()`, `find()`, `focusInEvent()`, `focusNextChild()`, `focusNextPrevChild()`, `focusOutEvent()`, `focusPolicy()`, `focusPreviousChild()`, `focusProxy()`, `focusWidget()`, `font()`, `fontChange()`, `fontInfo()`, `fontMetrics()`, `foregroundRole()`, `frameGeometry()`, `frameSize()`, `geometry()`, `getContentsMargins()`, `grabGesture()`, `grabKeyboard()`, `grabMouse()`, `grabShortcut()`, `graphicsEffect()`, `graphicsProxyWidget()`, `handle()`, `hasFocus()`, `hasMouseTracking()`, `height()`, `heightForWidth()`, `hide()`, `hideEvent()`, `inputContext()`, `inputMethodEvent()`, `inputMethodHints()`, `inputMethodQuery()`, `insertAction()`, `insertActions()`, `isActiveWindow()`, `isAncestorOf()`, `isEnabled()`, `isEnabledTo()`, `isEnabledToTLW()`, `isFullScreen()`, `isHidden()`, `isLeftToRight()`, `isMaximized()`, `isMinimized()`, `isModal()`, `isRightToLeft()`, `isTopLevel()`, `isVisible()`, `isVisibleTo()`, `isWindow()`, `isWindowModified()`, `keyReleaseEvent()`, `keyboardGrabber()`, `languageChange()`, `layout()`, `layoutDirection()`, `leaveEvent()`, `locale()`, `lower()`, `mapFrom()`, `mapFromGlobal()`, `mapFromParent()`, `mapTo()`, `mapToGlobal()`, `mapToParent()`, `mask()`, `maximumHeight()`, `maximumSize()`, `maximumWidth()`, `metric()`, `minimumHeight()`, `minimumSize()`, `minimumWidth()`, `mouseDoubleClickEvent()`, `mouseGrabber()`, `mouseMoveEvent()`, `mousePressEvent()`, `mouseReleaseEvent()`, `move()`, `moveEvent()`, `nativeParentWidget()`, `nextInFocusChain()`, `normalGeometry()`, `overrideWindowFlags()`,

`overrideWindowState()`, `paintEngine()`, `paintEvent()`, `palette()`, `paletteChange()`,  
`parentWidget()`, `pos()`, `previousInFocusChain()`, `raise_()`, `rect()`, `releaseKeyboard()`,  
`releaseMouse()`, `releaseShortcut()`, `removeAction()`, `render()`, `repaint()`, `resetInput-`  
`Context()`, `resize()`, `restoreGeometry()`, `saveGeometry()`, `scroll()`, `setAcceptDrops()`,  
`setAccessibleDescription()`, `setAccessibleName()`, `setAttribute()`, `setAutoFillBack-`  
`ground()`, `setBackgroundRole()`, `setBaseSize()`, `setContentsMargins()`, `setContextMenuPol-`  
`icy()`, `setCursor()`, `setDisabled()`, `setEnabled()`, `setFixedHeight()`, `setFixedSize()`,  
`setFixedWidth()`, `setFocus()`, `setFocusPolicy()`, `setFocusProxy()`, `setFont()`, `set-`  
`ForegroundRole()`, `setGeometry()`, `setGraphicsEffect()`, `setHidden()`, `setInputCon-`  
`text()`, `setInputMethodHints()`, `setLayout()`, `setLayoutDirection()`, `setLocale()`, `set-`  
`Mask()`, `setMaximumHeight()`, `setMaximumSize()`, `setMaximumWidth()`, `setMin-`  
`imumHeight()`, `setMinimumSize()`, `setMinimumWidth()`, `setMouseTracking()`, `set-`  
`Palette()`, `setParent()`, `setShortcutAutoRepeat()`, `setShortcutEnabled()`, `setShown()`,  
`setSizeIncrement()`, `setSizePolicy()`, `setStatusTip()`, `setStyle()`, `setStyleSheet()`, `set-`  
`TabOrder()`, `setToolTip()`, `setUpdatesEnabled()`, `setWhatsThis()`, `setWindowFilePath()`,  
`setWindowFlags()`, `setWindowIcon()`, `setWindowIconText()`, `setWindowModality()`,  
`setWindowModified()`, `setWindowOpacity()`, `setWindowRole()`, `setWindowState()`,  
`setWindowTitle()`, `show()`, `showFullScreen()`, `showMaximized()`, `showMinimized()`,  
`showNormal()`, `size()`, `sizeIncrement()`, `sizePolicy()`, `stackUnder()`, `statusTip()`, `style()`,  
`styleSheet()`, `tabletEvent()`, `testAttribute()`, `toolTip()`, `topLevelWidget()`, `under-`  
`Mouse()`, `ungrabGesture()`, `unsetCursor()`, `unsetLayoutDirection()`, `unsetLocale()`,  
`update()`, `updateGeometry()`, `updateMicroFocus()`, `updatesEnabled()`, `visibleRe-`  
`gion()`, `whatsThis()`, `wheelEvent()`, `width()`, `winId()`, `window()`, `windowActivation-`  
`Change()`, `windowFilePath()`, `windowFlags()`, `windowIcon()`, `windowIconText()`,  
`windowModality()`, `windowOpacity()`, `windowRole()`, `windowState()`, `windowTi-`  
`tle()`, `windowType()`, `x()`, `x11Info()`, `x11PictureHandle()`, `y()`

### ***Inherited from `PyQt4.QtCore.QObject`***

`__getattr__()`, `blockSignals()`, `childEvent()`, `children()`, `connect()`, `connectNo-`  
`tify()`, `customEvent()`, `deleteLater()`, `destroyed()`, `disconnect()`, `disconnectNotify()`,  
`dumpObjectInfo()`, `dumpObjectTree()`, `dynamicPropertyNames()`, `emit()`, `findChild()`,  
`findChildren()`, `inherits()`, `installEventFilter()`, `isWidgetType()`, `killTimer()`, `metaOb-`  
`ject()`, `moveToThread()`, `objectName()`, `parent()`, `property()`, `pyqtConfigure()`, `re-`  
`ceivers()`, `removeEventFilter()`, `sender()`, `senderSignalIndex()`, `setObjectName()`,  
`setProperty()`, `signalsBlocked()`, `startTimer()`, `thread()`, `timerEvent()`, `tr()`, `trUtf8()`

### ***Inherited from `PyQt4.QtGui.QPaintDevice`***

`colorCount()`, `depth()`, `heightMM()`, `logicalDpiX()`, `logicalDpiY()`, `numColors()`,  
`paintingActive()`, `physicalDpiX()`, `physicalDpiY()`, `widthMM()`

### ***Inherited from `sip.simplewrapper`***

`__new__()`

### ***Inherited from object***

```

__delattr__(), __format__(), __getattr__(), __hash__(), __reduce__(),
__reduce_ex__(), __repr__(), __setattr__(), __sizeof__(), __str__(), __sub-
classhook__()

```

### 2.2.2 Properties

Name	Description
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.2.3 Class Variables

Name	Description
<i>Inherited from PyQt4.QtGui.QDialog</i>	
Accepted, Rejected	
<i>Inherited from PyQt4.QtGui.QWidget</i>	
DrawChildren, DrawWindowBackground, IgnoreMask	
<i>Inherited from PyQt4.QtCore.QObject</i>	
staticMetaObject	
<i>Inherited from PyQt4.QtGui.QPaintDevice</i>	
PdmDepth, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM	

### 3 Module `lotto.datahandler`

the data handler for insert, get and delete data in the database

pyLottoverwaltung

Copyright (C) <2012-2013> Markus Hackspacher

This file is part of pyLottoverwaltung.

pyLottoverwaltung is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

pyLottoverwaltung is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU General Public License along with pyLottoverwaltung. If not, see <<http://www.gnu.org/licenses/>>.

#### 3.1 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> <code>'lotto'</code>

#### 3.2 Class Datahandler

object —  
     `lotto.datahandler.Datahandler`





## 3.2.1 Methods

```

__init__(self, path)
class init
Parameters
    path: (type=string)

>>> data_handler = Datahandler(':memory:')
>>> data_handler.insert_ziehung('2013-03-13', [11, 12, 13, 14, 15, 16, 17], 666)
>>> data_handler.get_ziehung()
[(1, u'2013-03-13', 666, 777, 888, u'11,12,13,14,15,16,17')]
>>> data_handler.insert_ziehung('2013-03-12', [21, 22, 23, 24, 25, 26, 27], 222)
>>> data_handler.get_ziehung(2)
[(2, u'2013-03-12', 222, 333, 444, u'21,22,23,24,25,26,27')]
>>> data_handler.get_ziehung()
[(2, u'2013-03-12', 222, 333, 444, u'21,22,23,24,25,26,27'), (1, u'2013-03-13', 666, 777, 888, u'11,12,13,14,15,16,17')]
>>> data_handler.insert_schein('2013-03-13', [11, 12, 13, 14, 15, 16, 17], 2)
>>> data_handler.get_schein()
[(1, u'2013-03-13', 2, 0, 888, u'11,12,13,14,15,16,17')]
>>> data_handler.insert_schein('2013-03-12', [21, 22, 23, 24, 25, 28], 1, 1, 444)
>>> data_handler.get_schein(2)
[(2, u'2013-03-12', 1, 1, 444, u'21,22,23,24,25,28')]
>>> data_handler.get_schein()
[(2, u'2013-03-12', 1, 1, 444, u'21,22,23,24,25,28'), (1, u'2013-03-13', 2, 0, 888, u'11,12,13,14,15,16,17')]
>>> data_handler.get_id_numbers_of_ziehung(2)
[2]
>>> data_handler.get_id_numbers_of_ziehung(2, 3)
'error'
>>> data_handler.get_id_numbers_of_ziehung()
'error'
>>> data_handler.get_id_numbers_of_ziehung(number_list=[12, 27])
[1, 2]
>>> data_handler.dump()
>>> data_handler.delete_ziehung(1)
>>> data_handler.delete_ziehung(2)
>>> data_handler.get_ziehung()
[]
>>> data_handler.delete_schein(1)
>>> data_handler.delete_schein(2)
>>> data_handler.get_schein()
[]
)
Overrides: object.__init__

```

---

**create\_\_tables(*self*)**


---

Tabellen erstellen mit id

---

**insert\_\_ziehung(*self*, *date*, *zahlen*, *zahl\_super*, *zahl\_spiel77*,  
*zahl\_spielsuper6*)**


---

Save the number of the draw in database Lottozahlen in der Datenbank speichern

**Parameters**

**date:** *(type=date)*  
**zahl\_super:** *(type=int)*  
**zahlen:** *(type=list)*  
**zahl\_spielsuper6:** *(type=int)*  
**zahl\_spiel77:** *(type=int)*

---

**insert\_\_schein(*self*, *date*, *zahlen*, *laufzeit*, *laufzeit\_tag*, *scheinnr*)**


---

Save the number of the tip in database Daten des Lottoscheines in der Datenbank speichern

**Parameters**

**date:** *(type=date)*  
**laufzeit:** *(type=int)*  
**scheinnr:** *(type=int)*  
**zahlen:** *(type=list of int)*  
**laufzeit\_tag:** *(type=int)*

---

**get\_\_ziehung(*self*, *rowid*=None, *date*=None)**


---

Daten der Ziehung der Lottozahlen auslesen

**Parameters**

**date:** *(type=date)*  
**rowid:** *(type=int)*

**Return Value**

data

**get\_id\_numbers\_of\_ziehung**(*self*, *id\_lottoschein*=None, *number\_list*=None)

Get id numbers of ziehung, with the id of lotteryticket Finde die ID Nummer der Ziehungsdaten, durch den Lottoschein

**Parameters**

*id\_lottoschein*: (*type=int*)  
*number\_list*: (*type=list of int*)

**Return Value**

data all the draw with the number of lotteryticket

**get\_schein**(*self*, *rowid*=None)

Get data from Lottoscheines Daten des Lottoscheines auslesen

**Parameters**

*rowid*: (*type=int*)

**Return Value**

data

**delete\_ziehung**(*self*, *rowid*)

Daten der Ziehung der Lottozahlen löschen

**Parameters**

*rowid*: (*type=int*)

**delete\_schein**(*self*, *rowid*)

Daten eines Lottoscheines löschen

**Parameters**

*rowid*: (*type=int*)

**dump**(*self*)

write dump file

**\_\_del\_\_**(*self*)

close connection of database

**Inherited from object**

`__delattr__()`, `__format__()`, `__getattr__()`, `__hash__()`, `__new__()`,  
`__reduce__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`,  
`__str__()`, `__subclasshook__()`

### 3.2.2 Properties

Name	Description
<i>Inherited from object</i> __class__	

## 4 Package lotto.gui

### 4.1 Variables

Name	Description
__package__	Value: None

## 5 Module `lotto.kalender__datum`

pyLottoverwaltung

Copyright (C) <2012-2013> Markus Hackspacher

This file is part of pyLottoverwaltung.

pyLottoverwaltung is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

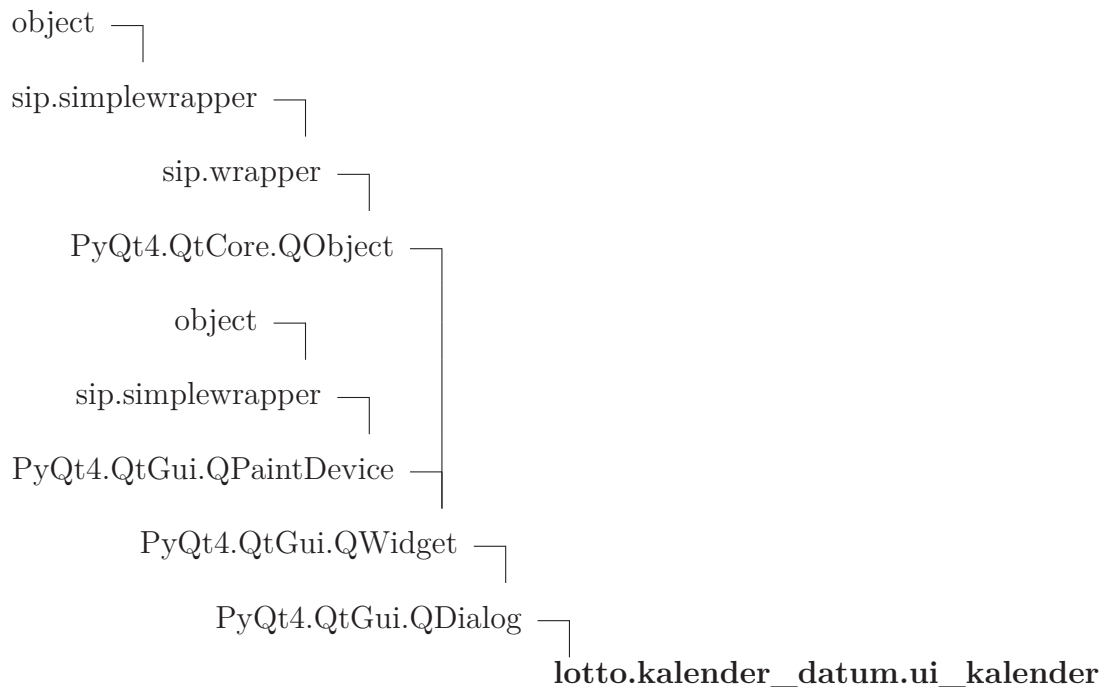
pyLottoverwaltung is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU General Public License along with pyLottoverwaltung. If not, see <<http://www.gnu.org/licenses/>>.

### 5.1 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> <code>'lotto'</code>

## 5.2 Class `ui_kalender`



### 5.2.1 Methods

<b><code>__init__</code></b> ( <i>self</i> , <i>year</i> , <i>month</i> , <i>day</i> )
open kalender dialog Kalender Dialog oeffnen
<b>Parameters</b>
<i>month</i> : ( <i>type=int</i> )
<i>day</i> : ( <i>type=int</i> )
<i>year</i> : ( <i>type=int</i> )
Overrides: <code>object.__init__</code>

<b><code>kalender</code></b> ( <i>self</i> )
Return the date of the kalender
<b>Return Value</b>
datum

*Inherited from `PyQt4.QtGui.QDialog`*

`accept()`, `accepted()`, `closeEvent()`, `contextMenuEvent()`, `done()`, `eventFilter()`, `exec_()`, `extension()`, `finished()`, `isSizeGripEnabled()`, `keyPressEvent()`, `minimumSizeHint()`,



`open()`, `orientation()`, `reject()`, `rejected()`, `resizeEvent()`, `result()`, `setExtension()`, `setModal()`, `setOrientation()`, `setResult()`, `setSizeGripEnabled()`, `setVisible()`, `showEvent()`, `showExtension()`, `sizeHint()`

### ***Inherited from `PyQt4.QtGui.QWidget`***

`acceptDrops()`, `accessibleDescription()`, `accessibleName()`, `actionEvent()`, `actions()`, `activateWindow()`, `addAction()`, `addActions()`, `adjustSize()`, `autoFillBackground()`, `backgroundRole()`, `baseSize()`, `changeEvent()`, `childAt()`, `childrenRect()`, `childrenRegion()`, `clearFocus()`, `clearMask()`, `close()`, `contentsMargins()`, `contentsRect()`, `contextMenuPolicy()`, `create()`, `cursor()`, `customContextMenuRequested()`, `destroy()`, `devType()`, `dragEnterEvent()`, `dragLeaveEvent()`, `dragMoveEvent()`, `dropEvent()`, `effectiveWinId()`, `enabledChange()`, `ensurePolished()`, `enterEvent()`, `event()`, `find()`, `focusInEvent()`, `focusNextChild()`, `focusNextPrevChild()`, `focusOutEvent()`, `focusPolicy()`, `focusPreviousChild()`, `focusProxy()`, `focusWidget()`, `font()`, `fontChange()`, `fontInfo()`, `fontMetrics()`, `foregroundRole()`, `frameGeometry()`, `frameSize()`, `geometry()`, `getContentsMargins()`, `grabGesture()`, `grabKeyboard()`, `grabMouse()`, `grabShortcut()`, `graphicsEffect()`, `graphicsProxyWidget()`, `handle()`, `hasFocus()`, `hasMouseTracking()`, `height()`, `heightForWidth()`, `hide()`, `hideEvent()`, `inputContext()`, `inputMethodEvent()`, `inputMethodHints()`, `inputMethodQuery()`, `insertAction()`, `insertActions()`, `isActiveWindow()`, `isAncestorOf()`, `isEnabled()`, `isEnabledTo()`, `isEnabledToTLW()`, `isFullScreen()`, `isHidden()`, `isLeftToRight()`, `isMaximized()`, `isMinimized()`, `isModal()`, `isRightToLeft()`, `isTopLevel()`, `isVisible()`, `isVisibleTo()`, `isWindow()`, `isWindowModified()`, `keyPressEvent()`, `keyboardGrabber()`, `languageChange()`, `layout()`, `layoutDirection()`, `leaveEvent()`, `locale()`, `lower()`, `mapFrom()`, `mapFromGlobal()`, `mapFromParent()`, `mapTo()`, `mapToGlobal()`, `mapToParent()`, `mask()`, `maximumHeight()`, `maximumSize()`, `maximumWidth()`, `metric()`, `minimumHeight()`, `minimumSize()`, `minimumWidth()`, `mouseDoubleClickEvent()`, `mouseGrabber()`, `mouseMoveEvent()`, `mousePressEvent()`, `mouseReleaseEvent()`, `move()`, `moveEvent()`, `nativeParentWidget()`, `nextInFocusChain()`, `normalGeometry()`, `overrideWindowFlags()`, `overrideWindowState()`, `paintEngine()`, `paintEvent()`, `palette()`, `paletteChange()`, `parentWidget()`, `pos()`, `previousInFocusChain()`, `raise_()`, `rect()`, `releaseKeyboard()`, `releaseMouse()`, `releaseShortcut()`, `removeAction()`, `render()`, `repaint()`, `resetInputContext()`, `resize()`, `restoreGeometry()`, `saveGeometry()`, `scroll()`, `setAcceptDrops()`, `setAccessibleDescription()`, `setAccessibleName()`, `setAttribute()`, `setAutoFillBackground()`, `setBackgroundRole()`, `setBaseSize()`, `setContentsMargins()`, `setContextMenuPolicy()`, `setCursor()`, `setDisabled()`, `setEnabled()`, `setFixedHeight()`, `setFixedSize()`, `setFixedWidth()`, `setFocus()`, `setFocusPolicy()`, `setFocusProxy()`, `setFont()`, `setForegroundRole()`, `setGeometry()`, `setGraphicsEffect()`, `setHidden()`, `setInputContext()`, `setInputMethodHints()`, `setLayout()`, `setLayoutDirection()`, `setLocale()`, `setMask()`, `setMaximumHeight()`, `setMaximumSize()`, `setMaximumWidth()`, `setMinimumHeight()`, `setMinimumSize()`, `setMinimumWidth()`, `setMouseTracking()`, `setPalette()`, `setParent()`, `setShortcutAutoRepeat()`, `setShortcutEnabled()`, `setShown()`, `setSizeIncrement()`, `setSizePolicy()`, `setStatusTip()`, `setStyle()`, `setStyleSheet()`, `setTabOrder()`, `setToolTip()`, `setUpdatesEnabled()`, `setWhatsThis()`, `setWindowFilePath()`,

`setWindowFlags()`, `setWindowIcon()`, `setWindowIconText()`, `setWindowModality()`,  
`setWindowModified()`, `setWindowOpacity()`, `setWindowRole()`, `setWindowState()`,  
`setWindowTitle()`, `show()`, `showFullScreen()`, `showMaximized()`, `showMinimized()`,  
`showNormal()`, `size()`, `sizeIncrement()`, `sizePolicy()`, `stackUnder()`, `statusTip()`, `style()`,  
`styleSheet()`, `tabletEvent()`, `testAttribute()`, `toolTip()`, `topLevelWidget()`, `under-`  
`Mouse()`, `ungrabGesture()`, `unsetCursor()`, `unsetLayoutDirection()`, `unsetLocale()`,  
`update()`, `updateGeometry()`, `updateMicroFocus()`, `updatesEnabled()`, `visibleRe-`  
`gion()`, `whatsThis()`, `wheelEvent()`, `width()`, `winId()`, `window()`, `windowActivation-`  
`Change()`, `windowFilePath()`, `windowFlags()`, `windowIcon()`, `windowIconText()`,  
`windowModality()`, `windowOpacity()`, `windowRole()`, `windowState()`, `windowTi-`  
`tle()`, `windowType()`, `x()`, `x11Info()`, `x11PictureHandle()`, `y()`

### ***Inherited from `PyQt4.QtCore.QObject`***

`__getattr__()`, `blockSignals()`, `childEvent()`, `children()`, `connect()`, `connectNo-`  
`tify()`, `customEvent()`, `deleteLater()`, `destroyed()`, `disconnect()`, `disconnectNotify()`,  
`dumpObjectInfo()`, `dumpObjectTree()`, `dynamicPropertyNames()`, `emit()`, `findChild()`,  
`findChildren()`, `inherits()`, `installEventFilter()`, `isWidgetType()`, `killTimer()`, `metaOb-`  
`ject()`, `moveToThread()`, `objectName()`, `parent()`, `property()`, `pyqtConfigure()`, `re-`  
`ceivers()`, `removeEventFilter()`, `sender()`, `senderSignalIndex()`, `setObjectName()`,  
`setProperty()`, `signalsBlocked()`, `startTimer()`, `thread()`, `timerEvent()`, `tr()`, `trUtf8()`

### ***Inherited from `PyQt4.QtGui.QPaintDevice`***

`colorCount()`, `depth()`, `heightMM()`, `logicalDpiX()`, `logicalDpiY()`, `numColors()`,  
`paintingActive()`, `physicalDpiX()`, `physicalDpiY()`, `widthMM()`

### ***Inherited from `sip.simplewrapper`***

`__new__()`

### ***Inherited from object***

`__delattr__()`, `__format__()`, `__getattr__()`, `__hash__()`, `__reduce__()`,  
`__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__sub-`  
`classhook__()`

## **5.2.2 Properties**

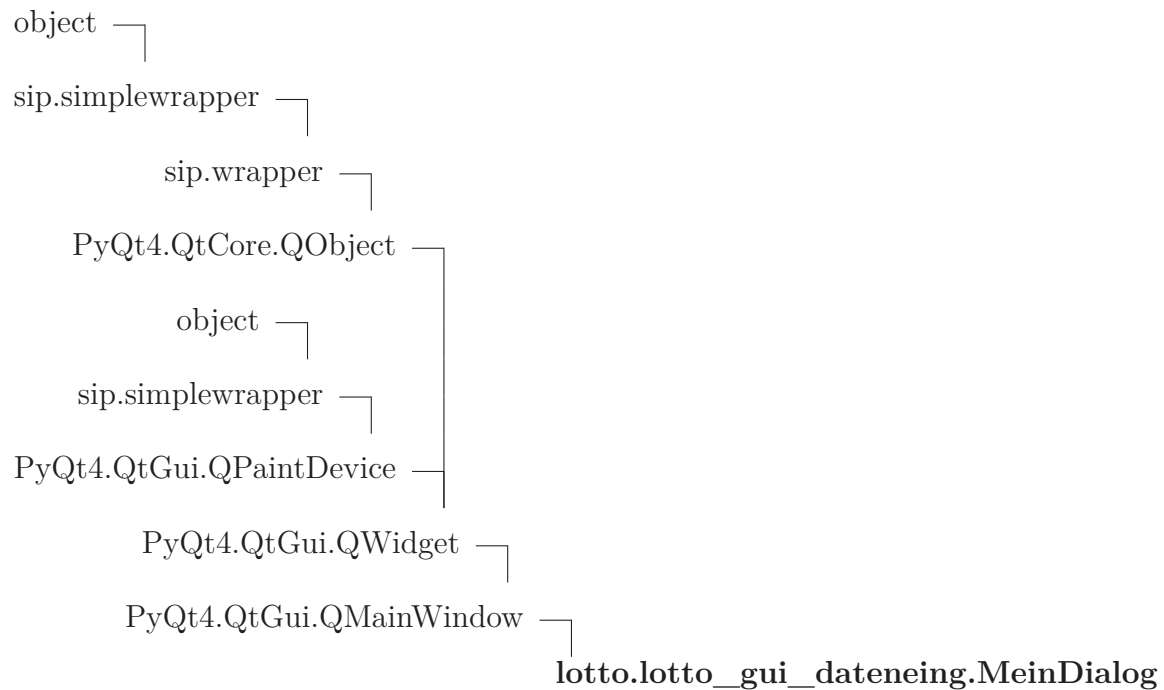
Name	Description
<i>Inherited from object</i>	
<code>__class__</code>	

## **5.2.3 Class Variables**

Name	Description
<i>Inherited from <code>PyQt4.QtGui.QDialog</code></i> Accepted, Rejected	
<i>Inherited from <code>PyQt4.QtGui.QWidget</code></i> DrawChildren, DrawWindowBackground, IgnoreMask	
<i>Inherited from <code>PyQt4.QtCore.QObject</code></i> staticMetaObject	
<i>Inherited from <code>PyQt4.QtGui.QPaintDevice</code></i> PdmDepth, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM	



### 6.3 Class *MeinDialog*



#### 6.3.1 Methods

<b><code>__init__(self)</code></b>
initial the main window 1 to 49 button, 7 spinbox, calender, datafield Overrides: <i>object.__init__</i>
<b><code>init(self)</code></b>
initial variable
<b><code>onbtn_kalender(self)</code></b>
open calender dialog
<b><code>ondaten_gewinnz(self)</code></b>
Anzeigen der Gewinnzahlen an den Auswahlfeld Auslesen der Zeilennummer Den Text der Zeile in der Beschriftung ausgeben

**ondaten\_\_lottoschein**(*self*)

Anzeigen der Daten des Lottoscheins an den Auswahlfeld Auslesen der Zeilennummer Den Text der Zeile in der Beschriftung ausgeben

**onInfo**(*self*)

Programm Info

**closeEvent**(*self*, *event*)

the program exit

Overrides: PyQt4.QtGui.QWidget.closeEvent

**onData\_\_lottode**(*self*)

Load the actual draw from lotto.de

**onData\_\_lottozahlenonlinede**(*self*, *first\_year*, *last\_year*)

Load the draw from lottozahlenonline.de

**spinBox\_\_1to7\_\_clear**(*self*, *number*=None, *numbers*=None)

Die SpinBoxen 1 bis 6 und Zusatzzahl löschen

**onEingabefeld\_\_1to49**(*self*, *zahl*)

Ein Zahlenfelder 1 bis 49 wurde angeklickt

**focusSpinBox\_\_1to7**(*self*, *number*)

Ein Auswahlfelder der 7 Gewinnzahlen oder Lottoscheins hat sich geändert

**onbtn\_\_hinzu**(*self*)

drawing numbers move in database

**onBtn\_\_ls\_\_auswerten**(*self*)

den Lottoschein auswerten

**onBtn\_\_gz\_\_anzeigen**(*self*)

show drawing numbers Gewinnzahlen im großen Feld anzeigen

**onBtn\_ls\_anzeigen(*self*)**

show tip numbers Lottoschein im großen Feld anzeigen,

**onBtn\_gz\_loeschen(*self*)**

delete drawing numbers from the database Gewinnzahlen einer Ziehung aus der Datenbank loeschen

**onBtn\_ls\_loeschen(*self*)**

delete tip numbers from the database Lottoschein aus der Datenbank loeschen

**onBtn\_ls\_laden(*self*)**

Read the Lottoschein from the Database loading into the QPlainTextEdit

**onBtn\_gz\_laden(*self*)**

Read the Gewinnzahlen from the Database loading into the QPlainTextEdit

**onCBox\_gz\_kompl\_ausgeben(*self*)**

CheckBox: Show the complete database in TextEdit

**onbtn\_zufall(*self*)**

Die Zufallszahlen generieren

**onbtn\_set\_calender\_today(*self*)**

set calender today

**onmodus(*self*)**

Wenn der Eingabe-Modus wechselt werden Schaltflächen an oder ab geschaltet

**geaendert(*self*)**

Botton colour in dependence of the value of the Spinbox

**geaendert\_btn(*self*)**

in den SpinBoxen die Nummern der Zahlen 1 bis 49 anzeigen wenn die Zahl abgewählt wird, wird auch der Wert der entsprechende Spinbox gelöscht

<b>draw__numbers(<i>self</i>)</b>
-----------------------------------

numbers are in the draw
-------------------------

<b>onwebsite(<i>self</i>)</b>
-------------------------------

open website
--------------

<b>onClose(<i>self</i>)</b>
-----------------------------

### ***Inherited from PyQt4.QtGui.QMainWindow***

addDockWidget(), addToolBar(), addToolBarBreak(), centralWidget(), contextMenuEvent(), corner(), createPopupMenu(), dockOptions(), dockWidgetArea(), documentMode(), event(), iconSize(), iconSizeChanged(), insertToolBar(), insertToolBarBreak(), isAnimated(), isDockNestingEnabled(), isSeparator(), menuBar(), menuWidget(), removeDockWidget(), removeToolBar(), removeToolBarBreak(), restoreDockWidget(), restoreState(), saveState(), setAnimated(), setCentralWidget(), setCorner(), setDockNestingEnabled(), setDockOptions(), setDocumentMode(), setIconSize(), setMenuBar(), setMenuWidget(), setStatusBar(), setTabPosition(), setTabShape(), setToolButtonStyle(), setUnifiedTitleAndToolBarOnMac(), splitDockWidget(), statusBar(), tabPosition(), tabShape(), tabifiedDockWidgets(), tabifyDockWidget(), toolBarArea(), toolBarBreak(), toolButtonStyle(), toolButtonStyleChanged(), unifiedTitleAndToolBarOnMac()

### ***Inherited from PyQt4.QtGui.QWidget***

acceptDrops(), accessibleDescription(), accessibleName(), actionEvent(), actions(), activateWindow(), addAction(), addActions(), adjustSize(), autoFillBackground(), backgroundRole(), baseSize(), changeEvent(), childAt(), childrenRect(), childrenRegion(), clearFocus(), clearMask(), close(), contentsMargins(), contentsRect(), contextMenuPolicy(), create(), cursor(), customContextMenuRequested(), destroy(), devType(), dragEnterEvent(), dragLeaveEvent(), dragMoveEvent(), dropEvent(), effectiveWinId(), enabledChange(), ensurePolished(), enterEvent(), find(), focusInEvent(), focusNextChild(), focusNextPrevChild(), focusOutEvent(), focusPolicy(), focusPreviousChild(), focusProxy(), focusWidget(), font(), fontChange(), fontInfo(), fontMetrics(), foregroundRole(), frameGeometry(), frameSize(), geometry(), getContentsMargins(), grabGesture(), grabKeyboard(), grabMouse(), grabShortcut(), graphicsEffect(), graphicsProxyWidget(), handle(), hasFocus(), hasMouseTracking(), height(), heightForWidth(), hide(), hideEvent(), inputContext(), inputMethodEvent(), inputMethodHints(), inputMethodQuery(), insertAction(), insertActions(), isActiveWindow(), isAncestorOf(), isEnabled(), isEnabledTo(), isEnabledToTLW(), isFullScreen(), isHidden(), isLeftToRight(), isMaximized(), isMinimized(), isModal(), isRightToLeft(), isTopLevel(), isVisible(), isVisibleTo(), isWindow(), isWindowModified(), keyPressEvent(), keyReleaseEvent(), keyboardGrabber(), languageChange(), layout(), layoutDirection(), leaveEvent(), locale(), lower(), mapFrom(),



mapFromGlobal(), mapFromParent(), mapTo(), mapToGlobal(), mapToParent(), mask(), maxHeight(), maxSize(), maxWidth(), metric(), minHeight(), minimumSize(), minimumSizeHint(), minimumWidth(), mouseDoubleClickEvent(), mouseGrabber(), mouseMoveEvent(), mousePressEvent(), mouseReleaseEvent(), move(), moveEvent(), nativeParentWidget(), nextInFocusChain(), normalGeometry(), overrideWindowFlags(), overrideWindowState(), paintEngine(), paintEvent(), palette(), paletteChange(), parentWidget(), pos(), previousInFocusChain(), raise\_(), rect(), releaseKeyboard(), releaseMouse(), releaseShortcut(), removeAction(), render(), repaint(), resetInputContext(), resize(), resizeEvent(), restoreGeometry(), saveGeometry(), scroll(), setAcceptDrops(), setAccessibleDescription(), setAccessibleName(), setAttribute(), setAutoFillBackground(), setBackgroundRole(), setBaseSize(), setContentsMargins(), setContextMenuPolicy(), setCursor(), setDisabled(), setEnabled(), setFixedHeight(), setFixedSize(), setFixedWidth(), setFocus(), setFocusPolicy(), setFocusProxy(), setFont(), setForegroundRole(), setGeometry(), setGraphicsEffect(), setHidden(), setInputContext(), setInputMethodHints(), setLayout(), setLayoutDirection(), setLocale(), setMask(), setMaximumHeight(), setMaximumSize(), setMaximumWidth(), setMinimumHeight(), setMinimumSize(), setMinimumWidth(), setMouseTracking(), setPalette(), setParent(), setShortcutAutoRepeat(), setShortcutEnabled(), setShown(), setSizeIncrement(), setSizePolicy(), setStatusTip(), setStyle(), setStyleSheet(), setTabOrder(), setToolTip(), setUpdatesEnabled(), setVisible(), setWhatsThis(), setWindowFilePath(), setWindowFlags(), setWindowIcon(), setWindowIconText(), setWindowModality(), setWindowModified(), setWindowOpacity(), setWindowRole(), setWindowState(), setWindowTitle(), show(), showEvent(), showFullScreen(), showMaximized(), showMinimized(), showNormal(), size(), sizeHint(), sizeIncrement(), sizePolicy(), stackUnder(), statusTip(), style(), styleSheet(), tabletEvent(), testAttribute(), tooltip(), topLevelWidget(), underMouse(), ungrabGesture(), unsetCursor(), unsetLayoutDirection(), unsetLocale(), update(), updateGeometry(), updateMicroFocus(), updatesEnabled(), visibleRegion(), whatsThis(), wheelEvent(), width(), winId(), window(), windowActivationChange(), windowFilePath(), windowFlags(), windowIcon(), windowIconText(), windowModality(), windowOpacity(), windowRole(), windowState(), windowTitle(), windowType(), x(), x11Info(), x11PictureHandle(), y()

### ***Inherited from PyQt4.QtCore.QObject***

\_\_getattr\_\_(), blockSignals(), childEvent(), children(), connect(), connectNotify(), customEvent(), deleteLater(), destroyed(), disconnect(), disconnectNotify(), dumpObjectInfo(), dumpObjectTree(), dynamicPropertyNames(), emit(), eventFilter(), findChild(), findChildren(), inherits(), installEventFilter(), isWidgetType(), killTimer(), metaObject(), moveToThread(), objectName(), parent(), property(), pyqtConfigure(), receivers(), removeEventFilter(), sender(), senderSignalIndex(), setObjectName(), setProperty(), signalsBlocked(), startTimer(), thread(), timerEvent(), tr(), trUtf8()

***Inherited from PyQt4.QtGui.QPaintDevice***

colorCount(), depth(), heightMM(), logicalDpiX(), logicalDpiY(), numColors(),  
paintingActive(), physicalDpiX(), physicalDpiY(), widthMM()

***Inherited from sip.simplewrapper***

\_\_new\_\_()

***Inherited from object***

\_\_delattr\_\_(), \_\_format\_\_(), \_\_getattr\_\_(), \_\_hash\_\_(), \_\_reduce\_\_(),  
\_\_reduce\_ex\_\_(), \_\_repr\_\_(), \_\_setattr\_\_(), \_\_sizeof\_\_(), \_\_str\_\_(), \_\_sub-  
classhook\_\_()

**6.3.2 Properties**

Name	Description
<i>Inherited from object</i>	
__class__	

**6.3.3 Class Variables**

Name	Description
<i>Inherited from PyQt4.QtGui.QMainWindow</i>	
AllowNestedDocks, AllowTabbedDocks, AnimatedDocks, ForceTabbedDocks, VerticalTabs	
<i>Inherited from PyQt4.QtGui.QWidget</i>	
DrawChildren, DrawWindowBackground, IgnoreMask	
<i>Inherited from PyQt4.QtCore.QObject</i>	
staticMetaObject	
<i>Inherited from PyQt4.QtGui.QPaintDevice</i>	
PdmDepth, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM	

## 7 Module `lotto.webzugriff`

`pyLottoverwaltung`

Copyright (C) <2012-2013> Markus Hackspacher

This file is part of `pyLottoverwaltung`.

`pyLottoverwaltung` is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

`pyLottoverwaltung` is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU General Public License along with `pyLottoverwaltung`. If not, see <<http://www.gnu.org/licenses/>>.

### 7.1 Functions

<b><code>data_from_webpage()</code></b>
---

Data from <code>lotto.de</code>
---------------------------------

<b>Return Value</b>
---------------------

datum, list of numbers (draw 1-6, Zusatzzahl, Superzahl, Spiel77, Super6)
---

<b><code>data_from_achiv(<i>data_handler</i>, <i>quote_url</i>=None)</code></b>
---

Data from <code>www.lottozahlenonline.de</code>
---

<b><code>test_data_from_webpage()</code></b>
--

### 7.2 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> <code>'lotto'</code>

## 8 Module *lotto.zufallszahl*

Erzeugen einer Zufallszahl, mit Modultest beim direkten Aufruf

pyLottoverwaltung

Copyright (C) <2012-2013> Markus Hackspacher

This file is part of pyLottoverwaltung.

pyLottoverwaltung is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

pyLottoverwaltung is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU General Public License along with pyLottoverwaltung. If not, see <<http://www.gnu.org/licenses/>>.

### 8.1 Functions

**zufallszahlen**(*anzahl*, *maxwert*)

Zufallszahl ermitteln und als Wurfelergbnis nehmen return random valve

**Parameters**

**anzahl**: Gibt die Anzahl der Ausgabewerte an

(*type=int*)

**maxwert**: Gibt den höchsten Zahlenwert an

(*type=int*)

**Return Value**

Gibt Zufallszahlen zurueck. >>> zufallszahlen(16, 15) Traceback (most recent call last): ValueError: sample larger than population >>> zufallszahlen(16, -15) Traceback (most recent call last): ValueError: sample larger than population >>> zufallszahlen(-16, 15) Traceback (most recent call last): ValueError: sample larger than population >>> zufallszahlen(1, 1) [1] >>> zufallszahlen(1, 1.7) Traceback (most recent call last): TypeError: integer argument expected, got float >>> sorted(zufallszahlen(3, 3)) [1, 2, 3]

### 8.2 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> 'lotto'

## Index

- lotto (*package*), 3
  - lotto.auswertung (*module*), 4–7
    - lotto.auswertung.ui\_lotto\_auswertung (*class*), 4–7
  - lotto.datahandler (*module*), 8–13
    - lotto.datahandler.Datahandler (*class*), 8–13
  - lotto.gui (*package*), 14
  - lotto.kalender\_datum (*module*), 15–19
    - lotto.kalender\_datum.ui\_kalender (*class*), 15–19
  - lotto.lotto\_gui\_dateneing (*module*), 20–26
    - lotto.lotto\_gui\_dateneing.gui (*function*), 20
    - lotto.lotto\_gui\_dateneing.MeinDialog (*class*), 20–26
  - lotto.webzugriff (*module*), 27
    - lotto.webzugriff.data\_from\_achiv (*function*), 27
    - lotto.webzugriff.data\_from\_webpage (*function*), 27
    - lotto.webzugriff.test\_data\_from\_webpage (*function*), 27
  - lotto.zufallszahl (*module*), 28–29
    - lotto.zufallszahl.zufallszahlen (*function*), 28