# API Documentation

API Documentation

September 28, 2015

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# 1 Package lotto

## 1.1 Modules

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- **kalender_datum** *(Section 5, p. 15)*
- **lotto_gui_dateneing** *(Section 6, p. 19)*
- **test_pep8** *(Section 7, p. 25)*

## 1.2 Variables

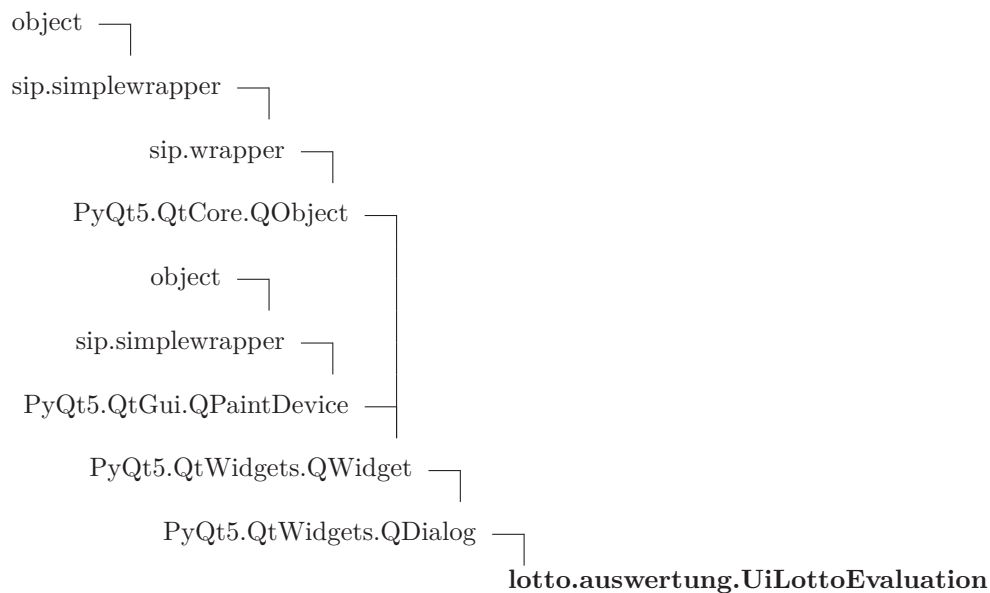| Name | Description |
|---|---|
| \_\_package\_\_ | **Value:** `None` |

# 2 Module lotto.auswertung

## 2.1 Variables

| Name | Description |
|---|---|
| ___package___ | **Value:** 'lotto' |
| ___warningregistry___ | **Value:** {('the sets module is deprecated', <type 'exceptions.Depr... |

## 2.2 Class UiLottoEvaluation

object ——┐

sip.simplewrapper ——┐

    sip.wrapper ——┐

      PyQt5.QtCore.QObject ——┐

        object ——┐

      sip.simplewrapper ——┐

    PyQt5.QtGui.QPaintDevice ——┐

      PyQt5.QtWidgets.QWidget ——┐

        PyQt5.QtWidgets.QDialog ——┐

          **lotto.auswertung.UiLottoEvaluation**

### 2.2.1 Methods

| |
|---|
| ___init___(*self, rowid, data_handler*) |
| open analyze dialog Datenauswerte Dialog oeffnen |
| **Parameters** |
|     data_handler: *(type=datahandler)* |
|     rowid: *(type=int)* |
| **Return Value** |
|     give close(0) back |
| Overrides: object.___init___ |

### *Inherited from PyQt5.QtWidgets.QDialog*

accept(), accepted(), closeEvent(), contextMenuEvent(), done(), eventFilter(), exec_(), finished(), isSizeGripEnabled(), keyPressEvent(), minimumSizeHint(), open(), re-

ject(), rejected(), resizeEvent(), result(), setModal(), setResult(), setSizeGripEnabled(), setVisible(), showEvent(), sizeHint()

### Inherited from PyQt5.QtWidgets.QWidget

acceptDrops(), accessibleDescription(), accessibleName(), actionEvent(), actions(), activateWindow(), addAction(), addActions(), adjustSize(), autoFillBackground(), backgroundRole(), baseSize(), changeEvent(), childAt(), childrenRect(), childrenRegion(), clearFocus(), clearMask(), close(), contentsMargins(), contentsRect(), contextMenuPolicy(), create(), createWindowContainer(), cursor(), customContextMenuRequested(), destroy(), devType(), dragEnterEvent(), dragLeaveEvent(), dragMoveEvent(), dropEvent(), effectiveWinId(), ensurePolished(), enterEvent(), event(), find(), focusInEvent(), focusNextChild(), focusNextPrevChild(), focusOutEvent(), focusPolicy(), focusPreviousChild(), focusProxy(), focusWidget(), font(), fontInfo(), fontMetrics(), foregroundRole(), frameGeometry(), frameSize(), geometry(), getContentsMargins(), grab(), grabGesture(), grabKeyboard(), grabMouse(), grabShortcut(), graphicsEffect(), graphicsProxyWidget(), hasFocus(), hasHeightForWidth(), hasMouseTracking(), height(), heightForWidth(), hide(), hideEvent(), initPainter(), inputMethodEvent(), inputMethodHints(), inputMethodQuery(), insertAction(), insertActions(), isActiveWindow(), isAncestorOf(), isEnabled(), isEnabledTo(), isFullScreen(), isHidden(), isLeftToRight(), isMaximized(), isMinimized(), isModal(), isRightToLeft(), isVisible(), isVisibleTo(), isWindow(), isWindowModified(), keyReleaseEvent(), keyboardGrabber(), 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(), nativeEvent(), nativeParentWidget(), nextInFocusChain(), normalGeometry(), overrideWindowFlags(), overrideWindowState(), paintEngine(), paintEvent(), palette(), parentWidget(), pos(), previousInFocusChain(), raise_(), rect(), redirected(), releaseKeyboard(), releaseMouse(), releaseShortcut(), removeAction(), render(), repaint(), 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(), setInputMethodHints(), setLayout(), setLayoutDirection(), setLocale(), setMask(), setMaximumHeight(), setMaximumSize(), setMaximumWidth(), setMinimumHeight(), setMinimumSize(), setMinimumWidth(), setMouseTracking(), setPalette(), setParent(), setShortcutAutoRepeat(), setShortcutEnabled(), setSizeIncrement(), setSizePolicy(), setStatusTip(), setStyle(), setStyleSheet(), setTabOrder(), setToolTip(), setToolTipDuration(), setUpdatesEnabled(), setWhatsThis(), setWindowFilePath(), setWindowFlags(), setWindowIcon(), setWindowIconText(), setWindowModality(), setWindowModified(), setWindowOpacity(), setWindow-

Role(), setWindowState(), setWindowTitle(), sharedPainter(), show(), showFullScreen(), showMaximized(), showMinimized(), showNormal(), size(), sizeIncrement(), sizePolicy(), stackUnder(), statusTip(), style(), styleSheet(), tabletEvent(), testAttribute(), toolTip(), toolTipDuration(), underMouse(), ungrabGesture(), unsetCursor(), unsetLayoutDirection(), unsetLocale(), update(), updateGeometry(), updateMicroFocus(), updatesEnabled(), visibleRegion(), whatsThis(), wheelEvent(), width(), winId(), window(), windowFilePath(), windowFlags(), windowHandle(), windowIcon(), windowIconChanged(), windowIconText(), windowIconTextChanged(), windowModality(), windowOpacity(), windowRole(), windowState(), windowTitle(), windowTitleChanged(), windowType(), x(), y()

### *Inherited from PyQt5.QtCore.QObject*

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

### *Inherited from PyQt5.QtGui.QPaintDevice*

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

### *Inherited from sip.simplewrapper*

\_\_new\_\_()

### *Inherited from object*

\_\_delattr\_\_(), \_\_format\_\_(), \_\_getattribute\_\_(), \_\_hash\_\_(), \_\_reduce\_\_(), \_\_reduce\_ex\_\_(), \_\_repr\_\_(), \_\_setattr\_\_(), \_\_sizeof\_\_(), \_\_str\_\_(), \_\_subclasshook\_\_()

### 2.2.2   Properties

| Name | Description |
|---|---|
| *Inherited from object* | |
| \_\_class\_\_ | |

### 2.2.3   Class Variables

| Name | Description |
|---|---|
| *Inherited from PyQt5.QtWidgets.QDialog* | |
| Accepted, Rejected | |
| *Inherited from PyQt5.QtWidgets.QWidget* | |
| DrawChildren, DrawWindowBackground, IgnoreMask | |
| *Inherited from PyQt5.QtCore.QObject* | |
| staticMetaObject | |
| *Inherited from PyQt5.QtGui.QPaintDevice* | |
| PdmDepth, PdmDevicePixelRatio, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM | |

# 3 Module lotto.datahandler

## 3.1 Variables

| Name | Description |
|------|-------------|
| ___package___ | **Value:** `'lotto'` |

## 3.2 Class Datahandler

object ┐

       **lotto.datahandler.Datahandler**

### 3.2.1 Methods

---

**\_\_\_init\_\_\_**(*self, path*)

class init

**Parameters**

    path: *(type=string)*

**Return Value**

    none

```
>>> data_handler = Datahandler(':memory:')
>>> data_handler.insert_ziehung('2013-03-13', [11, 12, 13, 14, 15, 16, 17],666, 777
>>> 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, 33
>>> 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'11,12,1

>>> data_handler.insert_schein('2013-03-13', [11, 12, 13, 14, 15, 16, 17], 2 ,0 ,88
>>> 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,
>>> 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*)

create_tables with a id

---

**insert_ziehung**(*self, date, zahlen, zahl_super, zahl_spiel77, zahl_spielsuper6*)

Save the number of the draw in database

**Parameters**

    date:                    *(type=date)*

    zahl_super:        *(type=int)*

    zahlen:            *(type=list)*

    zahl_spielsuper6: *(type=int)*

    zahl_spiel77:     *(type=int)*

**Return Value**

    none

---

**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)*

**Return Value**

    none

---

**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___(), ___getattribute___(), ___hash___(), ___new___(), ___reduce___(), ___reduce_ex___(), ___repr___(), ___setattr___(), ___sizeof___(), ___str___(), ___subclasshook___()

### 3.2.2   Properties

| Name | Description |
|---|---|
| *Inherited from object* | |
| __class__ | |

# 4 Package lotto.gui

## 4.1 Variables

| Name | Description |
|------|-------------|
| \_\_\_package\_\_\_ | **Value:** None |

# 5   Module lotto.kalender_datum

## 5.1   Variables

| Name | Description |
|------|-------------|
| ___package___ | **Value:** `'lotto'` |

## 5.2   Class ui_kalender

object ─┐
sip.simplewrapper ─┐
        sip.wrapper ─┐
            PyQt5.QtCore.QObject ─┐
                    object ─┐
            sip.simplewrapper ─┐
        PyQt5.QtGui.QPaintDevice ─┐
            PyQt5.QtWidgets.QWidget ─┐
                PyQt5.QtWidgets.QDialog ─┐
                        **lotto.kalender_datum.ui_kalender**
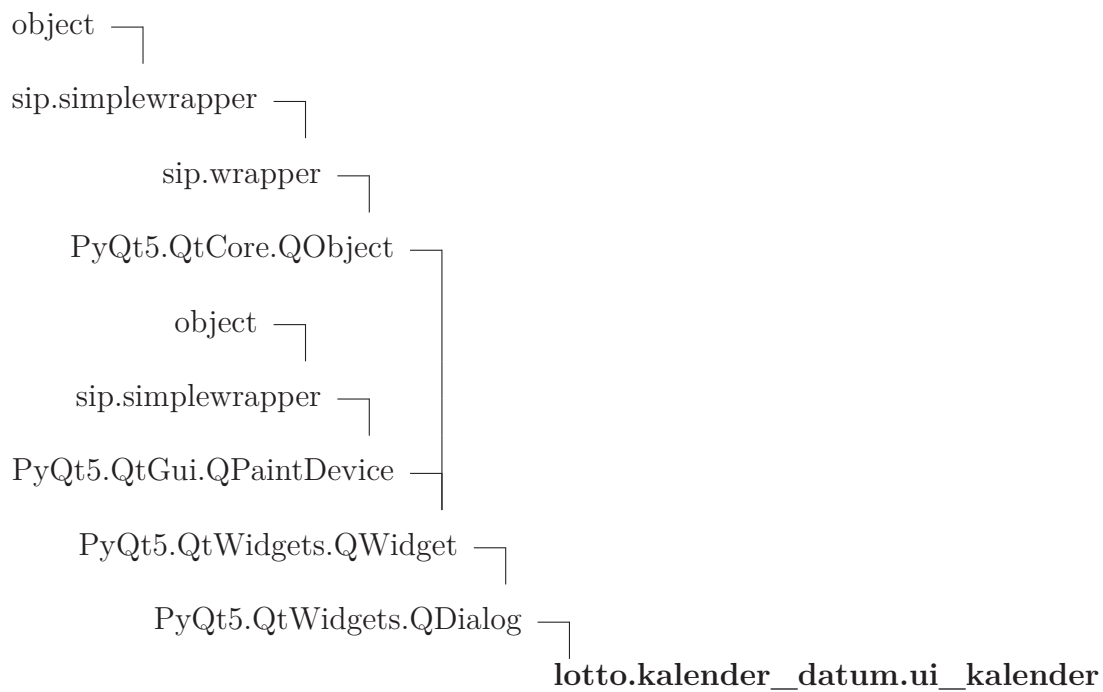
### 5.2.1   Methods

| |
|---|
| ___**init**___(*self, year, month, day*) |
| open kalender dialog Kalender Dialog oeffnen |
| **Parameters** |
|     `month:` *(type=int)* |
|     `day:`   *(type=int)* |
|     `year:`  *(type=int)* |
| Overrides: object.___init___ |

---

**kalender**(*self*)

---

Return the date of the calender

**Return Value**
    datum

---

## *Inherited from PyQt5.QtWidgets.QDialog*

accept(), accepted(), closeEvent(), contextMenuEvent(), done(), eventFilter(), exec__(), finished(), isSizeGripEnabled(), keyPressEvent(), minimumSizeHint(), open(), reject(), rejected(), resizeEvent(), result(), setModal(), setResult(), setSizeGripEnabled(), setVisible(), showEvent(), sizeHint()

## *Inherited from PyQt5.QtWidgets.QWidget*

acceptDrops(), accessibleDescription(), accessibleName(), actionEvent(), actions(), activateWindow(), addAction(), addActions(), adjustSize(), autoFillBackground(), backgroundRole(), baseSize(), changeEvent(), childAt(), childrenRect(), childrenRegion(), clearFocus(), clearMask(), close(), contentsMargins(), contentsRect(), contextMenuPolicy(), create(), createWindowContainer(), cursor(), customContextMenuRequested(), destroy(), devType(), dragEnterEvent(), dragLeaveEvent(), dragMoveEvent(), dropEvent(), effectiveWinId(), ensurePolished(), enterEvent(), event(), find(), focusInEvent(), focusNextChild(), focusNextPrevChild(), focusOutEvent(), focusPolicy(), focusPreviousChild(), focusProxy(), focusWidget(), font(), fontInfo(), fontMetrics(), foregroundRole(), frameGeometry(), frameSize(), geometry(), getContentsMargins(), grab(), grabGesture(), grabKeyboard(), grabMouse(), grabShortcut(), graphicsEffect(), graphicsProxyWidget(), hasFocus(), hasHeightForWidth(), hasMouseTracking(), height(), heightForWidth(), hide(), hideEvent(), initPainter(), inputMethodEvent(), inputMethodHints(), inputMethodQuery(), insertAction(), insertActions(), isActiveWindow(), isAncestorOf(), isEnabled(), isEnabledTo(), isFullScreen(), isHidden(), isLeftToRight(), isMaximized(), isMinimized(), isModal(), isRightToLeft(), isVisible(), isVisibleTo(), isWindow(), isWindowModified(), keyReleaseEvent(), keyboardGrabber(), 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(), nativeEvent(), nativeParentWidget(), nextInFocusChain(), normalGeometry(), overrideWindowFlags(), overrideWindowState(), paintEngine(), paintEvent(), palette(), parentWidget(), pos(), previousInFocusChain(), raise__(), rect(), redirected(), releaseKeyboard(), releaseMouse(), releaseShortcut(), removeAction(), render(), repaint(), 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(), setInputMethodHints(), setLayout(), setLayoutDirection(), setLocale(), setMask(), setMaximumHeight(), setMaximumSize(), setMaximumWidth(), setMinimumHeight(), setMinimumSize(), setMinimumWidth(), setMouseTracking(), setPalette(), setParent(), setShortcutAutoRepeat(), setShortcutEnabled(), setSizeIncrement(), setSizePolicy(), setStatusTip(), setStyle(), setStyleSheet(), setTabOrder(), setToolTip(), setToolTipDuration(), setUpdatesEnabled(), setWhatsThis(), setWindowFilePath(), setWindowFlags(), setWindowIcon(), setWindowIconText(), setWindowModality(), setWindowModified(), setWindowOpacity(), setWindowRole(), setWindowState(), setWindowTitle(), sharedPainter(), show(), showFullScreen(), showMaximized(), showMinimized(), showNormal(), size(), sizeIncrement(), sizePolicy(), stackUnder(), statusTip(), style(), styleSheet(), tabletEvent(), testAttribute(), toolTip(), toolTipDuration(), underMouse(), ungrabGesture(), unsetCursor(), unsetLayoutDirection(), unsetLocale(), update(), updateGeometry(), updateMicroFocus(), updatesEnabled(), visibleRegion(), whatsThis(), wheelEvent(), width(), winId(), window(), windowFilePath(), windowFlags(), windowHandle(), windowIcon(), windowIconChanged(), windowIconText(), windowIconTextChanged(), windowModality(), windowOpacity(), windowRole(), windowState(), windowTitle(), windowTitleChanged(), windowType(), x(), y()

### Inherited from *PyQt5.QtCore.QObject*

___getattr___(), blockSignals(), childEvent(), children(), connectNotify(), customEvent(), deleteLater(), destroyed(), disconnect(), disconnectNotify(), dumpObjectInfo(), dumpObjectTree(), dynamicPropertyNames(), findChild(), findChildren(), inherits(), installEventFilter(), isSignalConnected(), isWidgetType(), isWindowType(), killTimer(), metaObject(), moveToThread(), objectName(), objectNameChanged(), parent(), property(), pyqtConfigure(), receivers(), removeEventFilter(), sender(), senderSignalIndex(), setObjectName(), setProperty(), signalsBlocked(), startTimer(), thread(), timerEvent(), tr()

### Inherited from *PyQt5.QtGui.QPaintDevice*

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

### Inherited from *sip.simplewrapper*

___new___()

### Inherited from *object*

___delattr___(), ___format___(), ___getattribute___(), ___hash___(), ___reduce___(), ___reduce_ex___(), ___repr___(), ___setattr___(), ___sizeof___(), ___str___(), ___subclasshook___()

### 5.2.2   Properties

| Name | Description |
|------|-------------|
| *Inherited from object* <br> \_\_\_class\_\_\_ | |

### 5.2.3   Class Variables

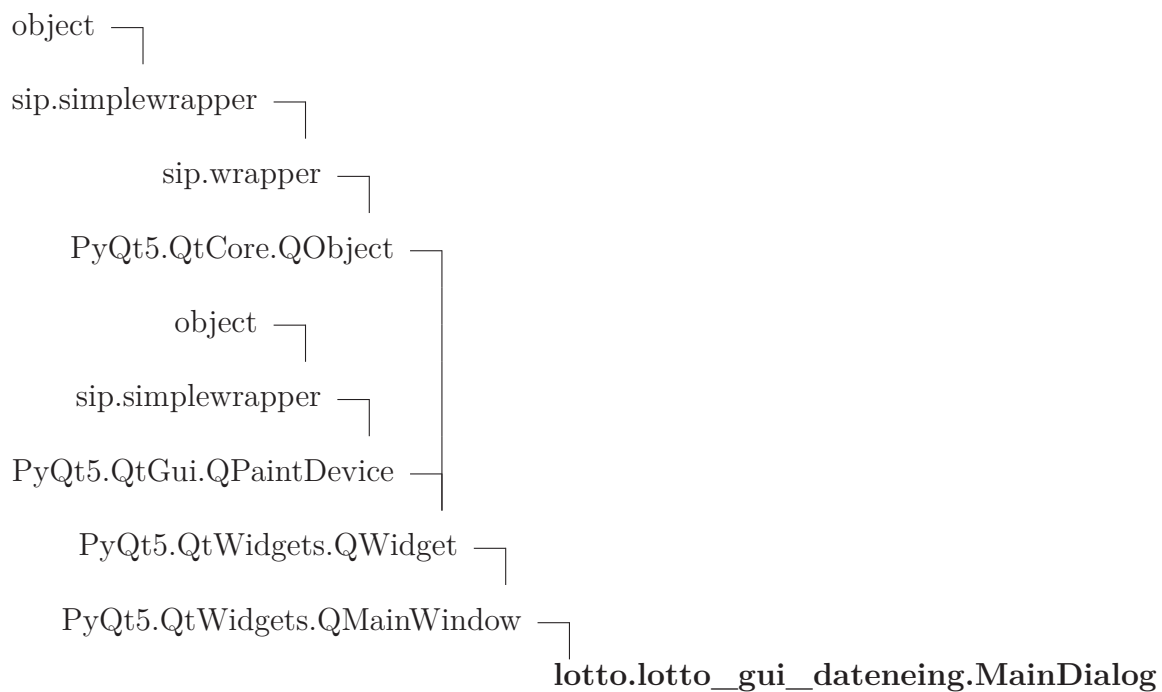| Name | Description |
|------|-------------|
| *Inherited from PyQt5.QtWidgets.QDialog* <br> Accepted, Rejected | |
| *Inherited from PyQt5.QtWidgets.QWidget* <br> DrawChildren, DrawWindowBackground, IgnoreMask | |
| *Inherited from PyQt5.QtCore.QObject* <br> staticMetaObject | |
| *Inherited from PyQt5.QtGui.QPaintDevice* <br> PdmDepth, PdmDevicePixelRatio, PdmDpiX, PdmDpiY, PdmHeight, <br> PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, <br> PdmWidth, PdmWidthMM | |

# 6 Module lotto.lotto_gui_dateneing

## 6.1 Functions

| **gui**(*arguments*) |
| --- |
| open the GUI |
| **Parameters** |
|     `arguments`: language (en, de) |
|                 *(type=string)* |
| **Return Value** |
|     none |

## 6.2 Variables

| Name | Description |
| --- | --- |
| \_\_package\_\_ | **Value:** `'lotto'` |

## 6.3 Class MainDialog

object —┐

sip.simplewrapper —┐

    sip.wrapper —┐

      PyQt5.QtCore.QObject —┐

        object —┐

    sip.simplewrapper —┐

PyQt5.QtGui.QPaintDevice —┤

    PyQt5.QtWidgets.QWidget —┐

  PyQt5.QtWidgets.QMainWindow —┐

             **lotto.lotto_gui_dateneing.MainDialog**

**6.3.1 Methods**

---

**___init___**(*self*)

initial the main window 1 to 49 button, 7 spinbox, calender, datafield

Overrides: object.___init___

---

**init**(*self*)

initial variable

---

**onbtn__kalender**(*self*)

open calender dialog

---

**ondaten__gewinnz**(*self*)

Anzeigen der Gewinnzahlen an den Auswahlfeld Auslesen der Zeilennumer Den Text der Zeile in der Beschriftung ausgeben

---

**ondaten__lottoschein**(*self*)

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

---

**onInfo**(*self*)

Program info

---

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

the program exit

Overrides: PyQt5.QtWidgets.QWidget.closeEvent

---

**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 geaendert

---

| **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 Zufallszahen generieren |

| **onbtn__set__calender__today**(*self*) |
| --- |
| set calender today |

| **onmodus**(*self*) |
| --- |
| Wenn der Eingabe-Modus wechselt werden Schaltflächen an oder ab geschaltet |

**buttonchange**(*self*)

Button colour in dependence of the valve of the Spinbox

**geaendert_btn**(*self*)

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

**draw_numbers**(*self*)

numbers are in the draw

**onwebsite**(*self*)

open website

**onClose**(*self*)

## Inherited from PyQt5.QtWidgets.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(), takeCentralWidget(), toolBarArea(), toolBarBreak(), toolButtonStyle(), toolButtonStyleChanged(), unifiedTitleAndToolBarOnMac()

## Inherited from PyQt5.QtWidgets.QWidget

acceptDrops(), accessibleDescription(), accessibleName(), actionEvent(), actions(), activateWindow(), addAction(), addActions(), adjustSize(), autoFillBackground(), backgroundRole(), baseSize(), changeEvent(), childAt(), childrenRect(), childrenRegion(), clearFocus(), clearMask(), close(), contentsMargins(), contentsRect(), contextMenuPolicy(), create(), createWindowContainer(), cursor(), customContextMenuRequested(), destroy(), devType(), dragEnterEvent(), dragLeaveEvent(), dragMoveEvent(), dropEvent(), effectiveWinId(), ensurePolished(), enterEvent(), find(), focusInEvent(), focusNextChild(), focusNextPrevChild(), focusOutEvent(), focusPolicy(), focusPreviousChild(), focusProxy(), focusWidget(), font(), fontInfo(), fontMetrics(), foregroundRole(), frameGeometry(), frameSize(), geometry(), getContentsMargins(), grab(), grabGesture(), grabKeyboard(), grabMouse(), grab-

Shortcut(), graphicsEffect(), graphicsProxyWidget(), hasFocus(), hasHeightForWidth(), hasMouseTracking(), height(), heightForWidth(), hide(), hideEvent(), initPainter(), inputMethodEvent(), inputMethodHints(), inputMethodQuery(), insertAction(), insertActions(), isActiveWindow(), isAncestorOf(), isEnabled(), isEnabledTo(), isFullScreen(), isHidden(), isLeftToRight(), isMaximized(), isMinimized(), isModal(), isRightToLeft(), isVisible(), isVisibleTo(), isWindow(), isWindowModified(), keyPressEvent(), keyReleaseEvent(), keyboardGrabber(), layout(), layoutDirection(), leaveEvent(), locale(), lower(), mapFrom(), mapFromGlobal(), mapFromParent(), mapTo(), mapToGlobal(), mapToParent(), mask(), maximumHeight(), maximumSize(), maximumWidth(), metric(), minimumHeight(), minimumSize(), minimumSizeHint(), minimumWidth(), mouseDoubleClickEvent(), mouseGrabber(), mouseMoveEvent(), mousePressEvent(), mouseReleaseEvent(), move(), moveEvent(), nativeEvent(), nativeParentWidget(), nextInFocusChain(), normalGeometry(), overrideWindowFlags(), overrideWindowState(), paintEngine(), paintEvent(), palette(), parentWidget(), pos(), previousInFocusChain(), raise_(), rect(), redirected(), releaseKeyboard(), releaseMouse(), releaseShortcut(), removeAction(), render(), repaint(), 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(), setInputMethodHints(), setLayout(), setLayoutDirection(), setLocale(), setMask(), setMaximumHeight(), setMaximumSize(), setMaximumWidth(), setMinimumHeight(), setMinimumSize(), setMinimumWidth(), setMouseTracking(), setPalette(), setParent(), setShortcutAutoRepeat(), setShortcutEnabled(), setSizeIncrement(), setSizePolicy(), setStatusTip(), setStyle(), setStyleSheet(), setTabOrder(), setToolTip(), setToolTipDuration(), setUpdatesEnabled(), setVisible(), setWhatsThis(), setWindowFilePath(), setWindowFlags(), setWindowIcon(), setWindowIconText(), setWindowModality(), setWindowModified(), setWindowOpacity(), setWindowRole(), setWindowState(), setWindowTitle(), sharedPainter(), show(), showEvent(), showFullScreen(), showMaximized(), showMinimized(), showNormal(), size(), sizeHint(), sizeIncrement(), sizePolicy(), stackUnder(), statusTip(), style(), styleSheet(), tabletEvent(), testAttribute(), toolTip(), toolTipDuration(), underMouse(), ungrabGesture(), unsetCursor(), unsetLayoutDirection(), unsetLocale(), update(), updateGeometry(), updateMicroFocus(), updatesEnabled(), visibleRegion(), whatsThis(), wheelEvent(), width(), winId(), window(), windowFilePath(), windowFlags(), windowHandle(), windowIcon(), windowIconChanged(), windowIconText(), windowIconTextChanged(), windowModality(), windowOpacity(), windowRole(), windowState(), windowTitle(), windowTitleChanged(), windowType(), x(), y()

### Inherited from *PyQt5.QtCore.QObject*

__getattr__(), blockSignals(), childEvent(), children(), connectNotify(), customEvent(), deleteLater(), destroyed(), disconnect(), disconnectNotify(), dumpObjectInfo(),

dumpObjectTree(), dynamicPropertyNames(), eventFilter(), findChild(), findChildren(), inherits(), installEventFilter(), isSignalConnected(), isWidgetType(), isWindowType(), killTimer(), metaObject(), moveToThread(), objectName(), objectNameChanged(), parent(), property(), pyqtConfigure(), receivers(), removeEventFilter(), sender(), senderSignalIndex(), setObjectName(), setProperty(), signalsBlocked(), startTimer(), thread(), timerEvent(), tr()

## Inherited from *PyQt5.QtGui.QPaintDevice*

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

## Inherited from *sip.simplewrapper*

___new___()

## Inherited from *object*

___delattr___(), ___format___(), ___getattribute___(), ___hash___(), ___reduce___(), ___reduce_ex___(), ___repr___(), ___setattr___(), ___sizeof___(), ___str___(), ___subclasshook___()

### 6.3.2 Properties

| Name | Description |
|------|-------------|
| *Inherited from object* | |
| ___class___ | |

### 6.3.3 Class Variables

| Name | Description |
|------|-------------|
| *Inherited from PyQt5.QtWidgets.QMainWindow* | |
| AllowNestedDocks, AllowTabbedDocks, AnimatedDocks, ForceTabbedDocks, VerticalTabs | |
| *Inherited from PyQt5.QtWidgets.QWidget* | |
| DrawChildren, DrawWindowBackground, IgnoreMask | |
| *Inherited from PyQt5.QtCore.QObject* | |
| staticMetaObject | |
| *Inherited from PyQt5.QtGui.QPaintDevice* | |
| PdmDepth, PdmDevicePixelRatio, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM | |

# 7   Module lotto.test__pep8

**Author:** mar

## 7.1   Variables

| Name | Description |
|---|---|
| \_\_package\_\_ | **Value:** `'lotto'` |

## 7.2   Class TestCodeFormat

object ⌐

unittest.case.TestCase ⌐

                        **lotto.test__pep8.TestCodeFormat**

### 7.2.1   Methods

| |
|---|
| **test__pep8__conformance**(*self*) |
| Test that we conform to PEP8. |

***Inherited from unittest.case.TestCase***

    \_\_call\_\_(), \_\_eq\_\_(), \_\_hash\_\_(), \_\_init\_\_(), \_\_ne\_\_(), \_\_repr\_\_(), \_\_str\_\_(), addCleanup(), addTypeEqualityFunc(), assertAlmostEqual(), assertAlmostEquals(), assertDictContainsSubset(), assertDictEqual(), assertEqual(), assertEquals(), assertFalse(), assertGreater(), assertGreaterEqual(), assertIn(), assertIs(), assertIsInstance(), assertIsNone(), assertIsNot(), assertIsNotNone(), assertItemsEqual(), assertLess(), assertLessEqual(), assertListEqual(), assertMultiLineEqual(), assertNotAlmostEqual(), assertNotAlmostEquals(), assertNotEqual(), assertNotEquals(), assertNotIn(), assertNotIsInstance(), assertNotRegexpMatches(), assertRaises(), assertRaisesRegexp(), assertRegexpMatches(), assertSequenceEqual(), assertSetEqual(), assertTrue(), assertTupleEqual(), assert\_(), countTestCases(), debug(), defaultTestResult(), doCleanups(), fail(), failIf(), failIfAlmostEqual(), failIfEqual(), failUnless(), failUnlessAlmostEqual(), failUnlessEqual(), failUnlessRaises(), id(), run(), setUp(), setUpClass(), shortDescription(), skipTest(), tearDown(), tearDownClass()

***Inherited from object***

___delattr___(), ___format___(), ___getattribute___(), ___new___(), ___reduce___(),
___reduce_ex___(), ___setattr___(), ___sizeof___(), ___subclasshook___()

### 7.2.2   Properties

| Name | Description |
| --- | --- |
| *Inherited from object* | |
| ___class___ | |

### 7.2.3   Class Variables

| Name | Description |
| --- | --- |
| *Inherited from unittest.case.TestCase* | |
| longMessage, maxDiff | |

# 8    Module pylotto

pyLottoverwaltung

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