

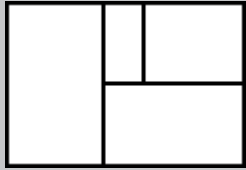


# Charting with smallCharts

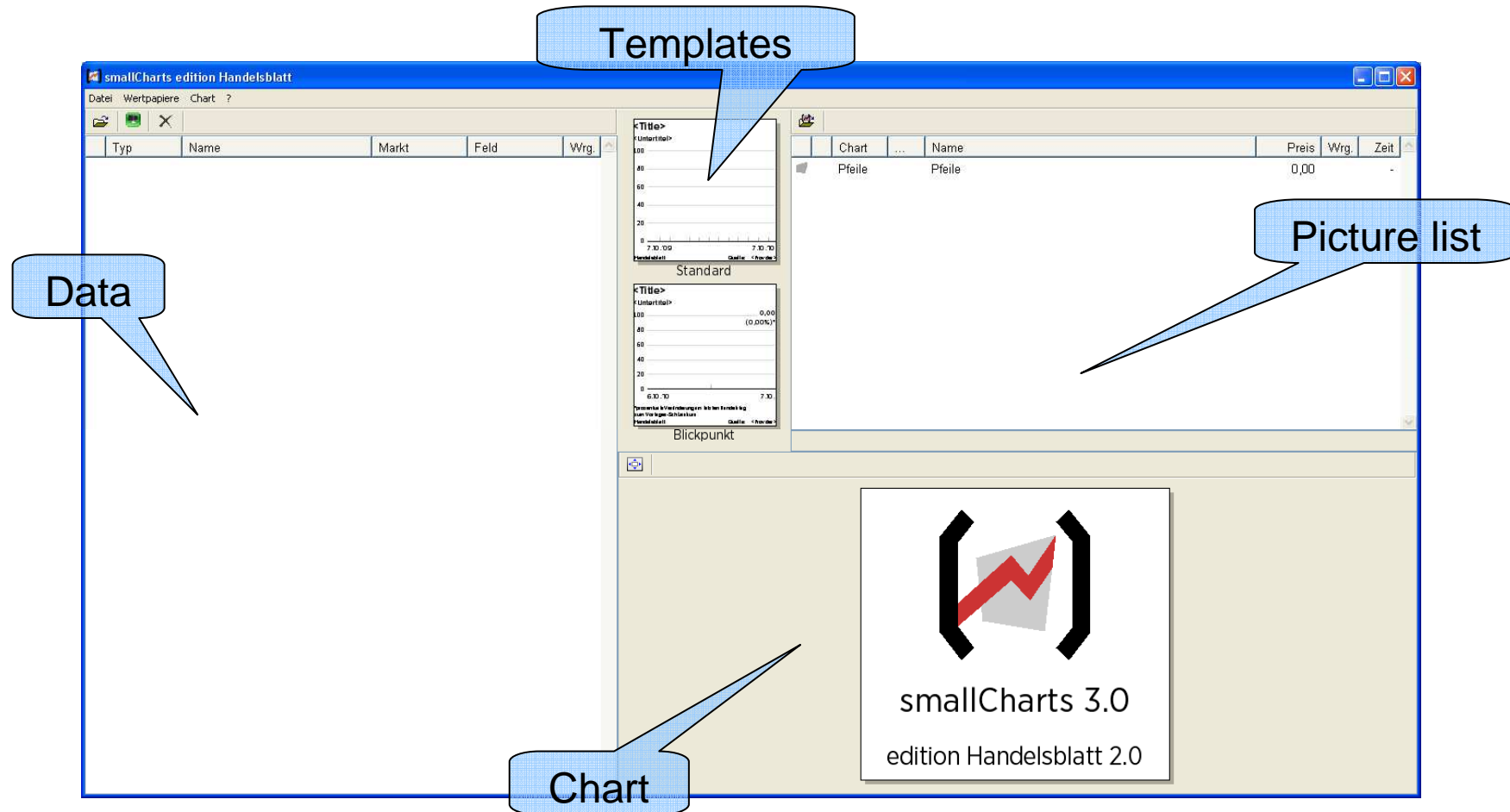
With smallCharts for Bloomberg

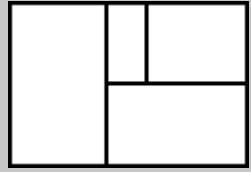
# Overview

- The User Interface
- Create a Chart
- Details on...
  - Charts
  - Picture list
  - Data
  - Templates

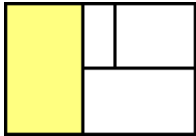


# The User Interface

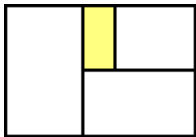




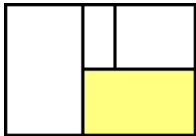
# Create a Chart



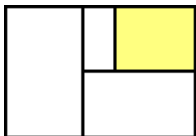
- Get an Instrument



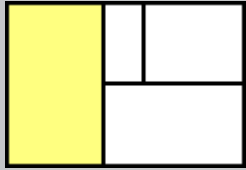
- Drop Data on Chart template



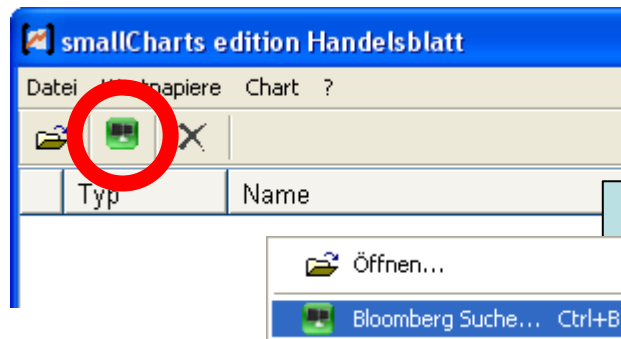
- Edit (optional)



- Save



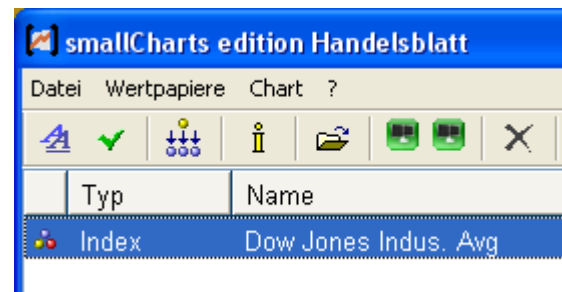
# Get an Instrument

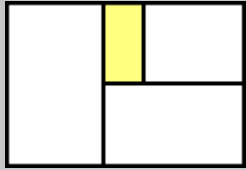


Get the Dow Jones

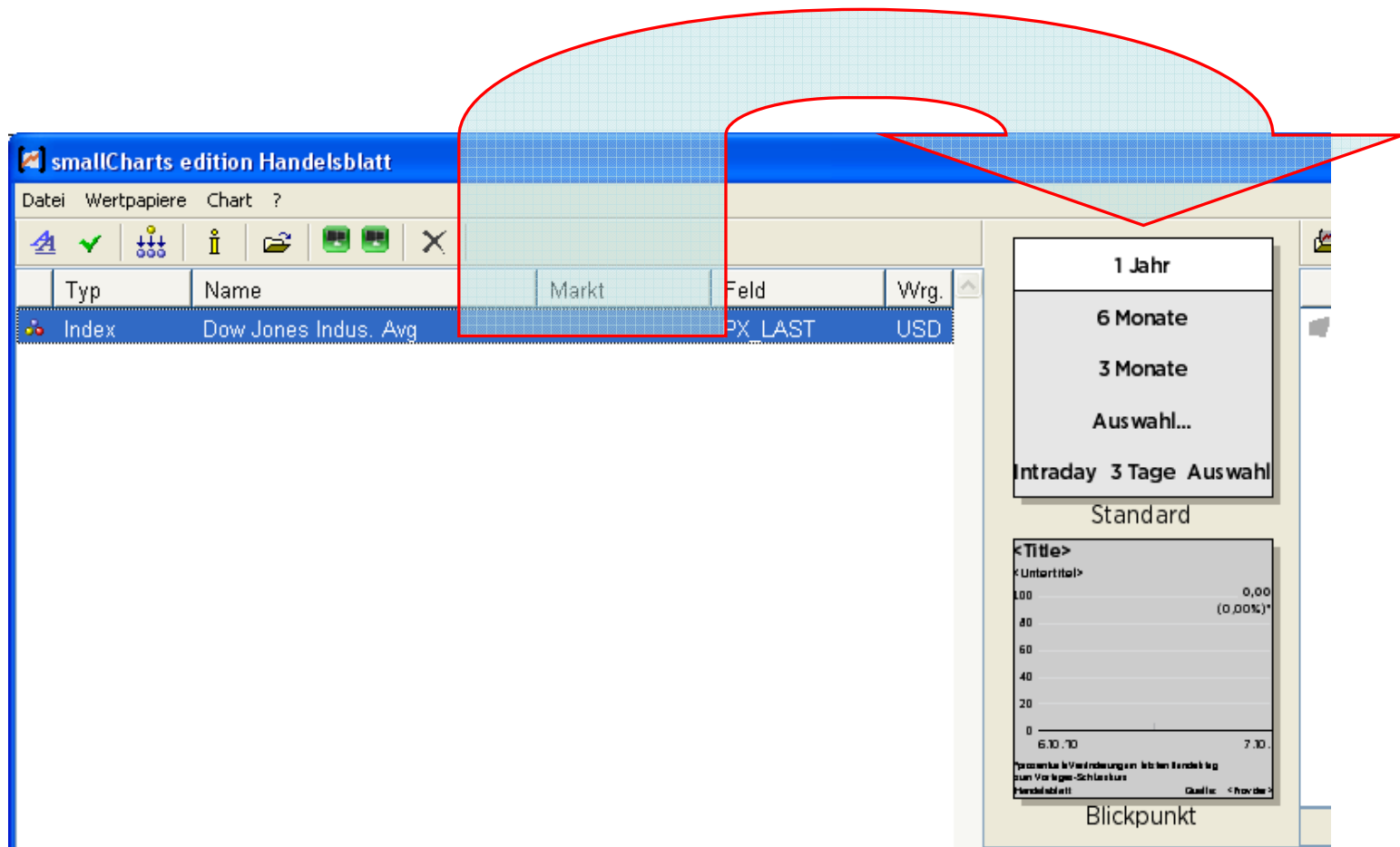


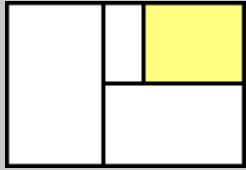
Dow Jones was found





# Drop Data on Template





# Save Chart

The screenshot illustrates the process of saving a chart in the smallCharts application. The main window displays a line chart titled 'Dow Jones Indus. Avg' showing the stock index from 8.10.'09 to 7.10.'10. The chart is titled 'Aktienindex in Punkten' and sourced from 'Bloomberg'. The application interface includes a menu bar with 'Datei', 'Ansicht', and 'Hilfe'. The 'Datei' menu is open, showing options: 'Auffrischen' (F5), 'Speichern', 'Speichern als ...', 'Chart löschen', and 'Rohdaten zeigen...'. The 'Speichern' option is highlighted. A large blue arrow points from the 'Speichern' menu item to the 'Speichern als...' dialog box. The dialog box shows the save location as 'c:\Dokumente und Einstellungen\ChristianHaider\desktop' and the filename as 'Dow\_Jones\_Indus\_Avg1Y09.pdf'. The 'OK' button is highlighted.

**Dow Jones Indus. Avg**  
Aktienindex in Punkten

11500  
11000  
10500  
10000  
9500

8.10.'09 7.10.'10

Handelsblatt Quelle: Bloomberg

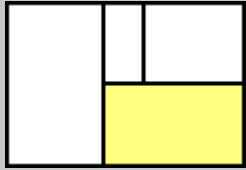
**Speichern als...**

c:\Dokumente und Einstellungen\ChristianHaider\desktop

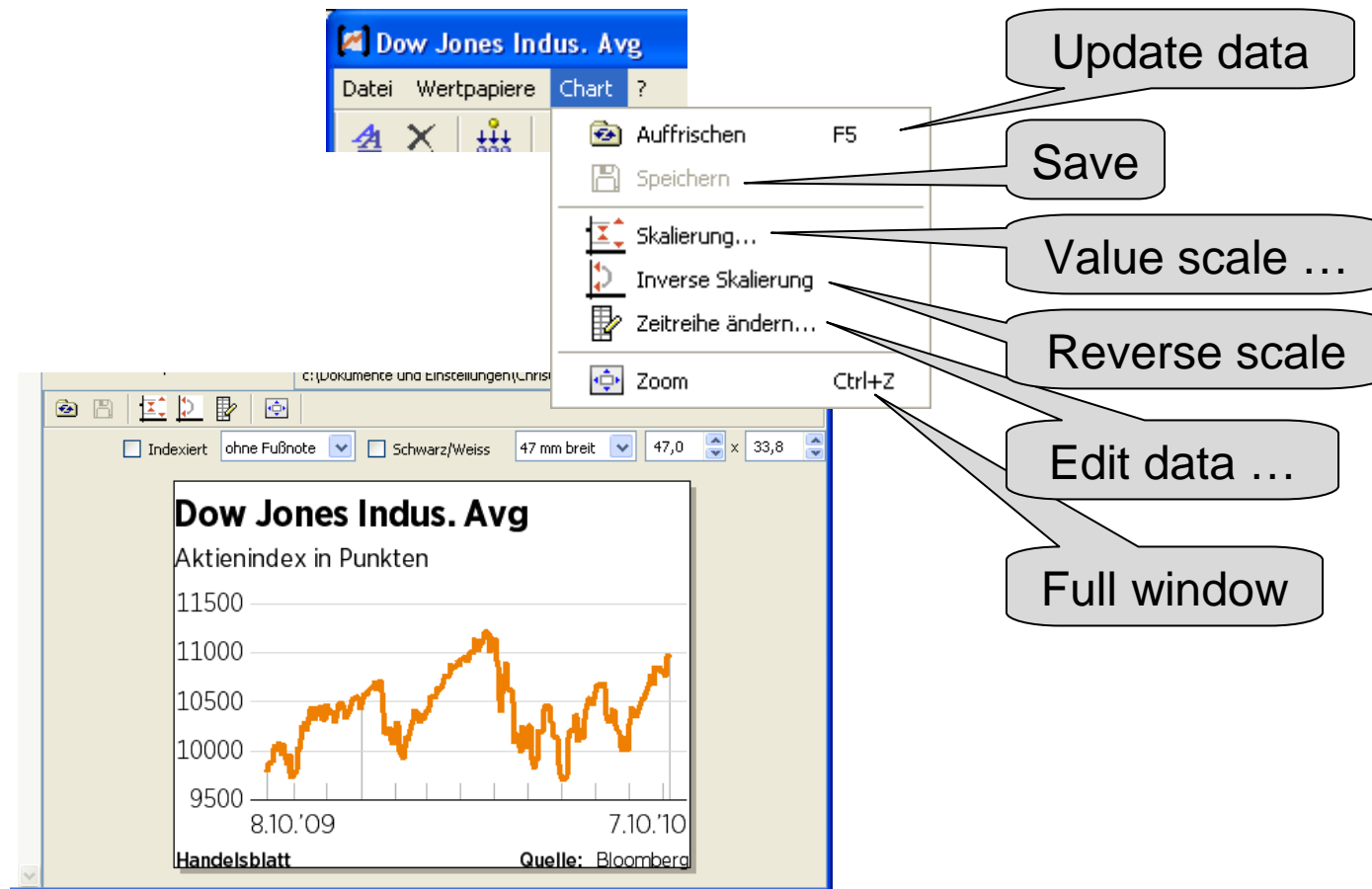
Dow\_Jones\_Indus\_Avg1Y09.pdf

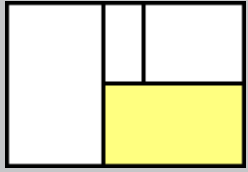
Abbrechen OK

Done!



# Chart Commands





# Specific Commands

Indexed to 100

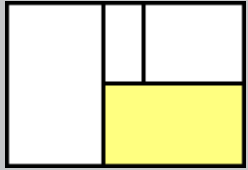
Footnotes

Black and White

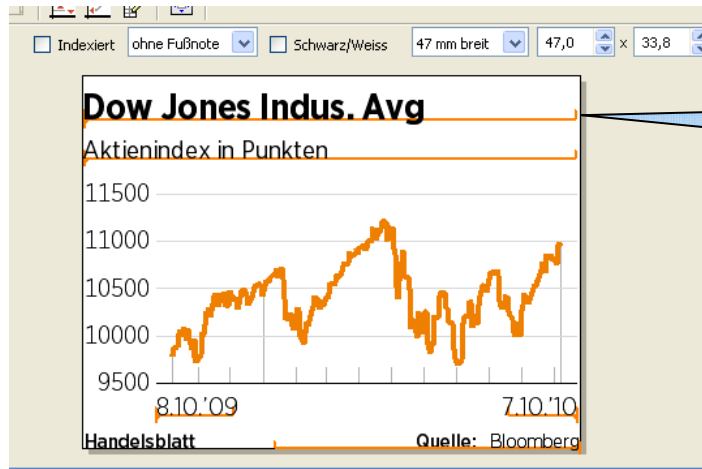
Width / Height



Common Widths



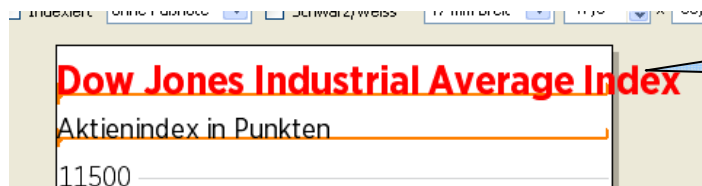
# Text edit



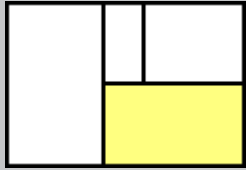
Editable texts are underlined



Directly edit

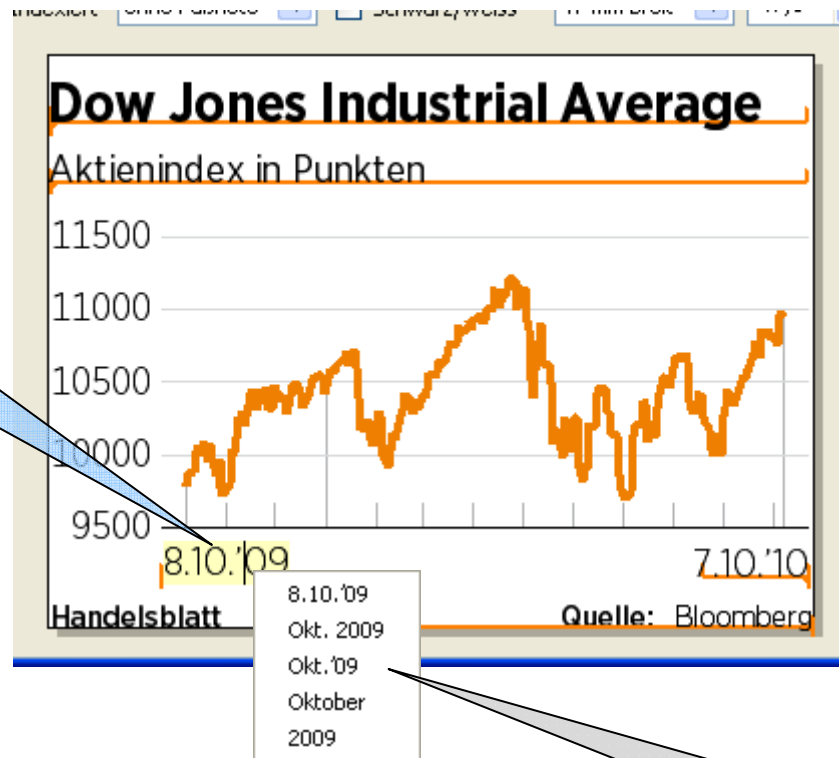


Warning if too big

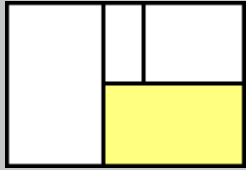


## Edit date texts

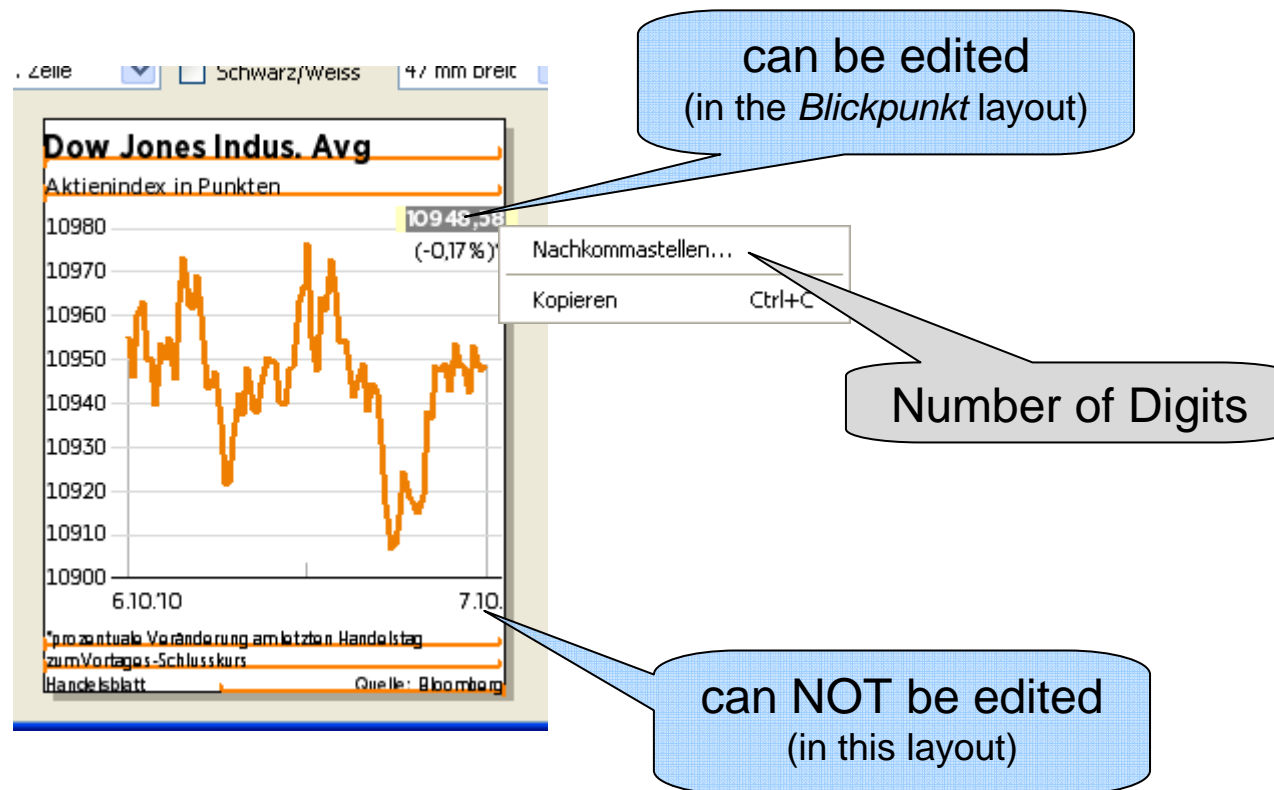
can be edited  
(in this layout)

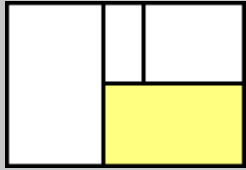


common defaults

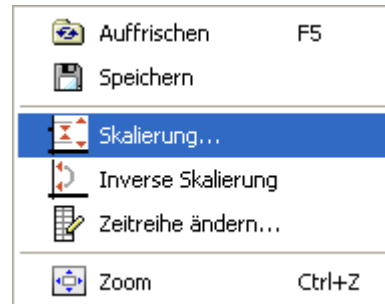


# Edit other Layouts

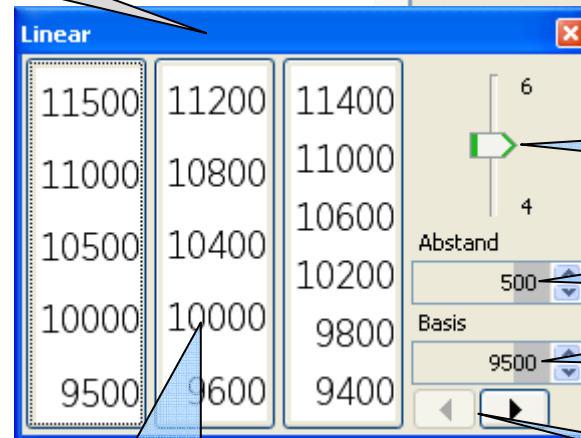




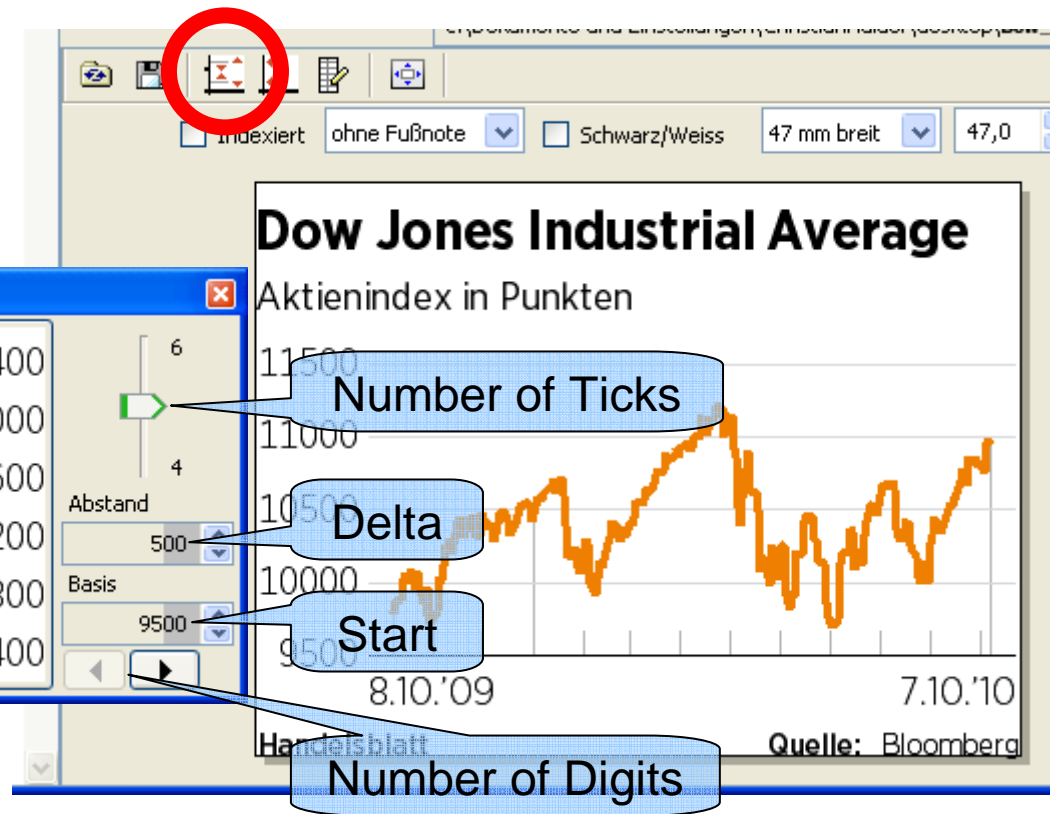
# Change the Value Scale

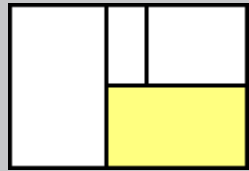


Manual Settings

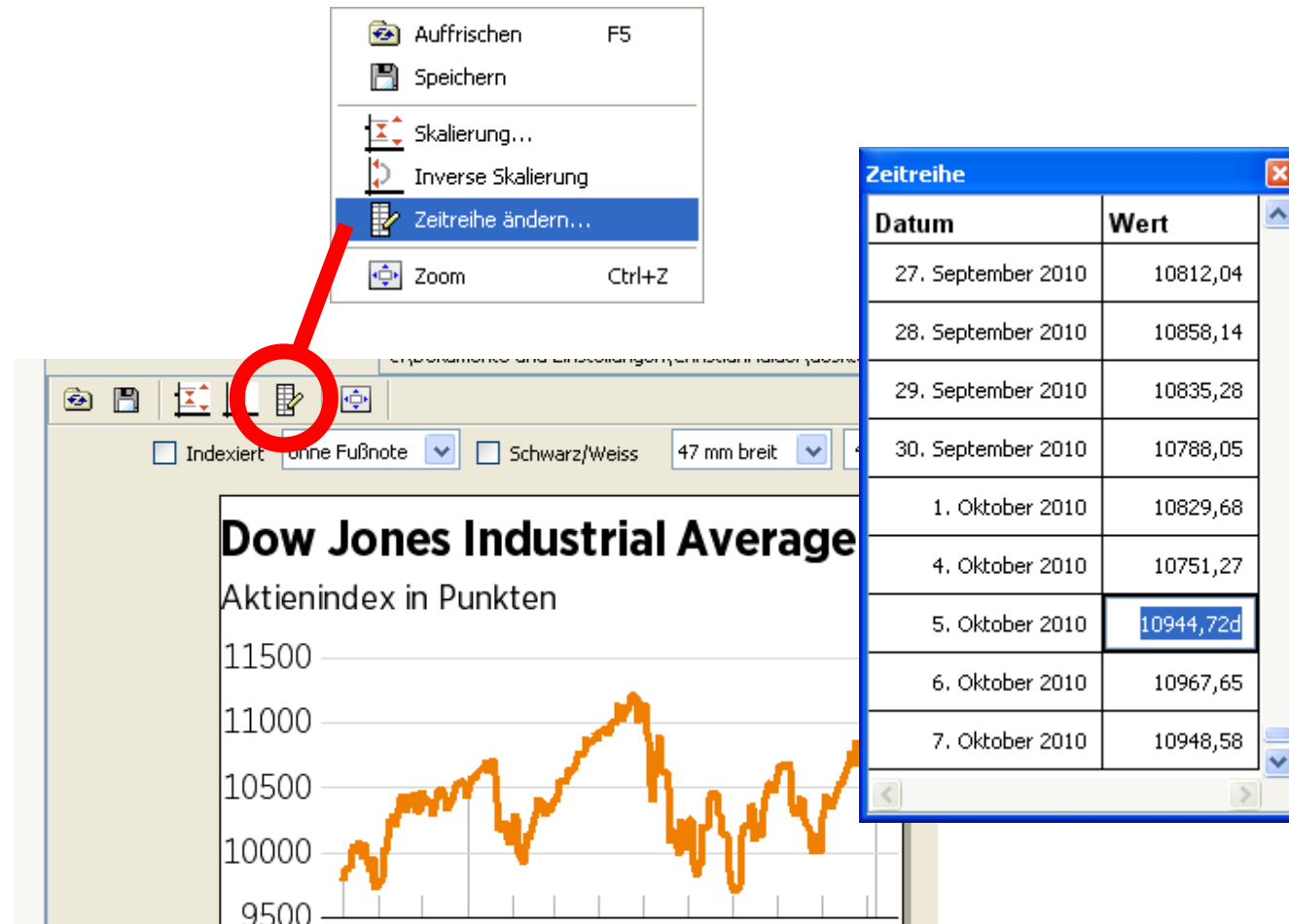


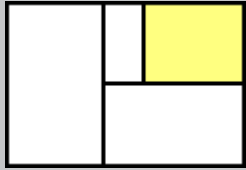
Select Scale



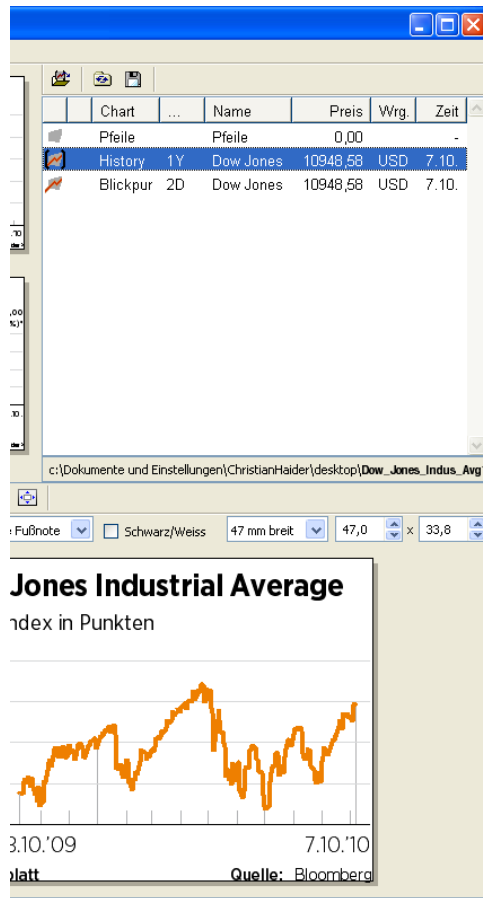


# Change Data (trouble shooting)

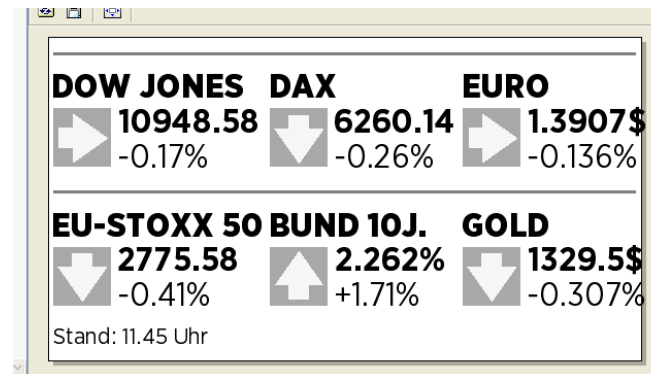


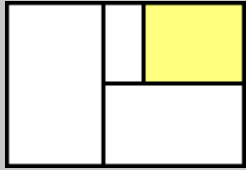


# The Picture list



- Many Charts can be open
- Can have other automatic graphics: for example *Pfeile*



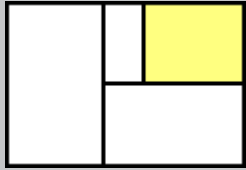


# Picture list Anatomy

The screenshot shows a window titled 'Picture list' with a table of data. Callouts point to various parts of the interface:

- Commands**: Points to the toolbar at the top.
- State**: Points to the 'History' row's icon.
- Name of Layout**: Points to the 'History' row's text.
- Time frame**: Points to the '1Y' value in the 'History' row.
- Title**: Points to the 'Dow Jones Indust' text in the 'History' row.
- Last Value**: Points to the '10948,58' value in the 'History' row.
- Currency**: Points to the 'USD' value in the 'History' row.
- Date/Time of last Data**: Points to the '7.10.' value in the 'History' row.
- File path**: Points to the path at the bottom: 'c:\Dokumente und Einstellungen\ChristianHaider\desktop\Dow\_Jones\_Indus\_Avg2D09.pdf'.

	Chart	...	Name	Preis	Wrg.	Zeit
[Icon]	Pfeile		Pfeile	0,00		-
[Icon]	History	1Y	Dow Jones Indust	10948,58	USD	7.10.
[Icon]	Blickpur	2D	Dow Jones Indus.	10948,58	USD	7.10.



# Picture list Commands

Open Charts

refresh ALL Data

save ALL

refresh Data

save

delete

Show raw data

The screenshot shows the smallCharts application window. At the top, there's a toolbar with icons for opening charts, saving, and refreshing. Below the toolbar is a table listing charts. A right-click context menu is open over the table, showing options like 'Auffrischen' (refresh), 'Speichern' (save), 'Speichern als ...' (save as), 'Chart löschen' (delete chart), and 'Rohdaten zeigen...' (show raw data). Callout boxes with arrows point to these icons and menu items, labeling them with their functions. The table has columns for 'Chart', 'Name', 'Preis', 'Wrg.', and 'Zeit'. The first row shows a chart named 'Pfeile' with a price of 0,00. The second row shows 'Dow Jones Indust' with a price of 10948,58. The third row shows 'Dow Jones Indus.' with a price of 10948,58. The status bar at the bottom shows the file path: 'c:\Dokumente und Einstellungen\ChristianHaider\desktop\Dow\_Jones\_Indus\_Avg2009.pdf'.

Chart	Name	Preis	Wrg.	Zeit
Pfeile	Pfeile	0,00		
Dow Jones Indust	Dow Jones Indust	10948,58	USD	7.10
Dow Jones Indus.	Dow Jones Indus.	10948,58	USD	7.10

Rohdaten

Data

creationTime: (Timestamp d: 8)

request: Request

items: RequestItemForIn

security: Index

name: 'INDU'

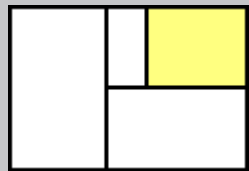
exchange: (NA val

description: 'DOW

properties:

#NAME: 'DOW

#INDY DES: 1



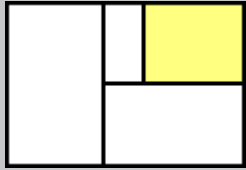
## Picture state

Picture without Data

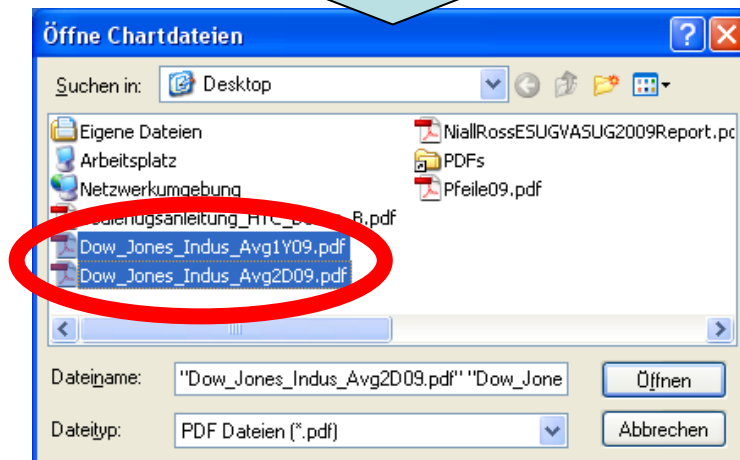
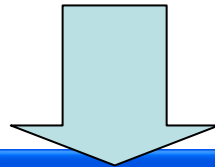
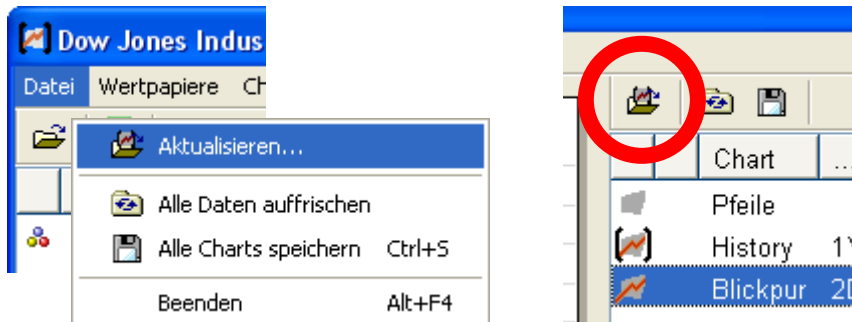
Saved Picture  
A complete **smallChart**

Picture with Data

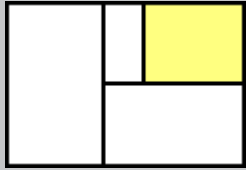
	Chart	...	Name
	Pfeile		Pfeile
	History	1Y	Dow Jc
	Blickpur	2D	Dow Jc



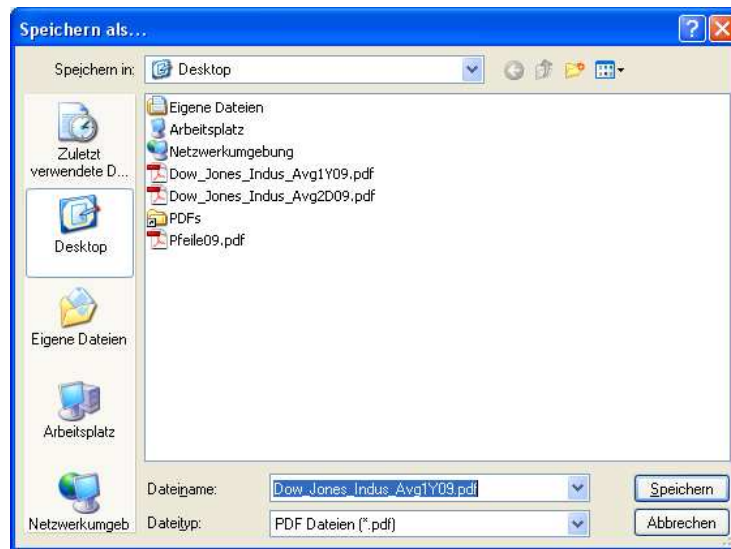
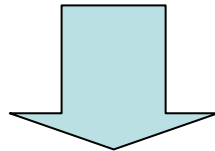
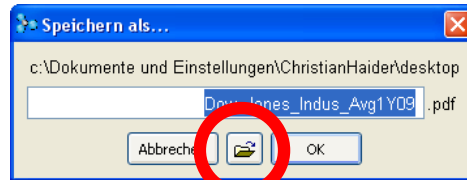
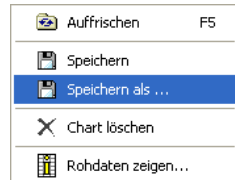
# Refresh Charts



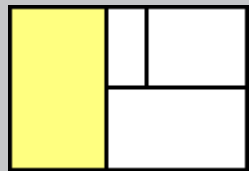
- Saved Charts can be re-opened
  - keep Changes
  - get new data
- Files can also be dropped onto the Window



# Save a Chart



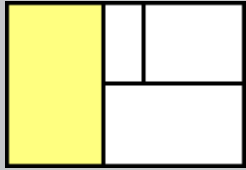
- Save uses the Directory of the last Save by default
- To change the Directory, use the regular Windows Save Dialog



# Data list Anatomy

The screenshot shows a software interface with a menu bar (Datei, Wertpapiere, Chart, ?) and a toolbar. Below the toolbar is a table with columns: Typ, Name, Markt, Feld, Wrg. The table contains one row: Index, Dow Jones Indus. A, PX\_LAST, USD. A context menu is open over the table, showing options: Öffnen... and Bloomberg Suche... Ctrl+B. Callouts point to various elements:

- Type Icon: Points to the 'Index' icon in the 'Typ' column.
- Type Name: Points to the 'Index' text in the 'Typ' column.
- Chart title: Points to the 'Dow Jones Indus. A' text in the 'Name' column.
- Exchange: Points to the 'Markt' column header.
- Field: Points to the 'Feld' column header.
- Currency: Points to the 'Wrg.' column header.
- Open CSV Data: Points to the 'Öffnen...' option in the context menu.
- Add Bloomberg Instrument: Points to the 'Bloomberg Suche... Ctrl+B' option in the context menu.



# Data Commands

**Dow Jones Indus. Avg**

Datei Wertpapiere Chart ?

Typ	Name	Markt	Feld	Währung
Index	Dow Jones Indus. Avg	USA	INDU	USD

- Name ändern... (Change Name ... (Title for Charts))
- vergessen (forget)
- Indexmitglieder hinzufügen (Add index members)
- Infos... (Show Info ...)
- Öffnen...
- Bloomberg Suche... Ctrl+B
- Hinzufügen mit Feld... (Add with Field ...)

**Info**

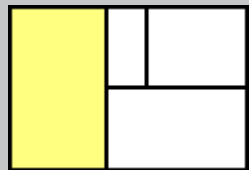
**INDU Index**

Name: **DOW JONES INDUS. AVG**

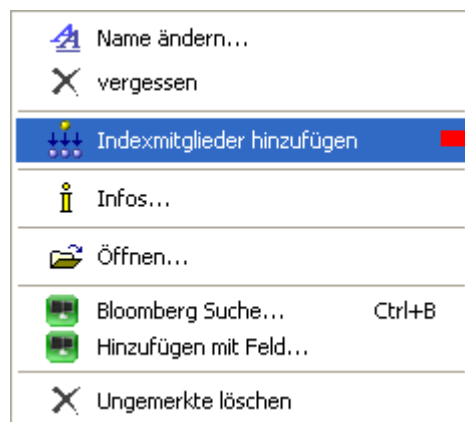
Letzter Wert: **10948,58** am: **7.10.2010**

Währung: **USD**

The Dow Jones Industrial Average is a price-weighted average of the stock prices of 30 large companies that are generally the leaders in their industries. It is the most followed indicator of the stock market since its inception in 1896.



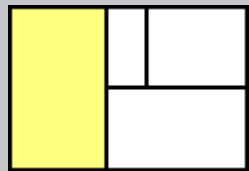
# Add Index Members



**Dow Jones Indus. Avg**

Datei Wert Chart ?

Typ	Name	Markt	Feld	Wrg.
Index	Dow Jones Indus. A		PX_LAST	USD
Equity	Alcoa Inc	UN	PX_LAST	USD
Equity	American Express Co	UN	PX_LAST	USD
Equity	Boeing Co	UN	PX_LAST	USD
Equity	Bank Of America Corp	UN	PX_LAST	USD
Equity	Caterpillar Inc	UN	PX_LAST	USD
Equity	Cisco Systems Inc	UW	PX_LAST	USD
Equity	Chevron Corp	UN	PX_LAST	USD
Equity	Du Pont	UN	PX_LAST	USD
Equity	Walt Disney Co	UN	PX_LAST	USD
Equity	General Electric Co	UN	PX_LAST	USD
Equity	Home Depot Inc	UN	PX_LAST	USD
Equity	Hewlett-Packard Co	UN	PX_LAST	USD
Equity	Intl Business Machine	UN	PX_LAST	USD
Equity	Intel Corp	UW	PX_LAST	USD
Equity	Johnson & Johnson	UN	PX_LAST	USD
Equity	Jpmorgan Chase & Cr	UN	PX_LAST	USD



# Add containing Indexes

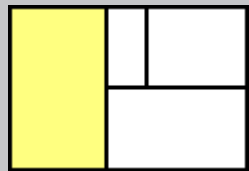
Context menu options:

- Name ändern...
- vergessen
- Indexe hinzufügen**
- Verwandte hinzufügen...
- Infos...
- Öffnen...
- Bloomberg Suche... Ctrl+B
- Hinzufügen mit Feld...
- Ungemerkte löschen

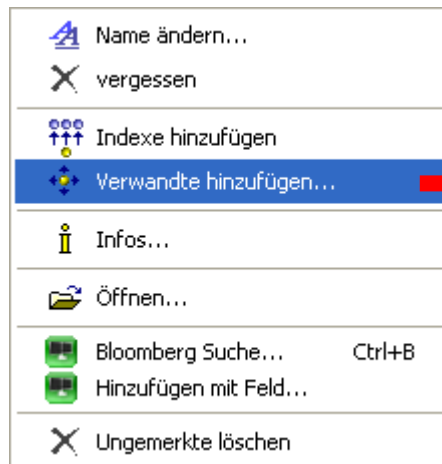
Application window: Dow Jones Indus. Avg

Table:

Typ	Name	Markt	Feld	Wrg.
Index	<b>Dow Jones Indus. A</b>		PX_LAST	USD
Equity	Alcoa Inc	UN	PX_LAST	USD
Equity	American Express Co	UN	PX_LAST	USD
Index	Bbg Advertising Age I		PX_LAST	USD
Index	Bbg No Short-America		PX_LAST	USD
Index	Bloombergbanksstres		PX_LAST	USD
Index	Bloomberg		PX_LAST	USD
Index	Bloomberg Delaware I		PX_LAST	USD
Index	Bloomberg Esg Cover		PX_LAST	USD
Index	Bloomberg Esg Proce		PX_LAST	USD
Index	Fdic Bank Holding Co		PX_LAST	USD
Index	Bloomberg Housing M		PX_LAST	USD

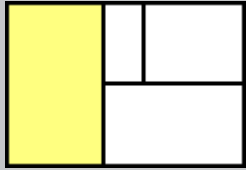


# Add related Instruments



**Dow Jones Indus. Avg**

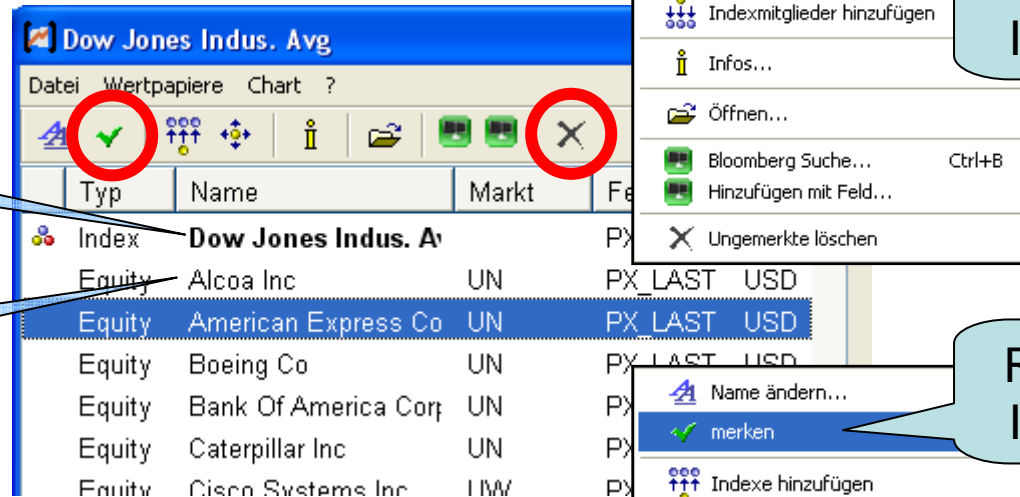
Typ	Name	Markt	Feld	Wrg.
Index	<b>Dow Jones Indus. Avg</b>		PX_LAST	USD
Equity	Alcoa Inc	UN	PX_LAST	USD
Equity	American Express Co	UN	PX_LAST	USD
Equity	American Express Co	US	PX_LAST	USD
Equity	American Express Co	MM	PX_LAST	MXN
Equity	American Express Co	GR	PX_LAST	EUR
Equity	American Express Co	AR	PX_LAST	ARS
Index	Bbg Advertising Age I		PX_LAST	USD
Index	Bbg No Short-America		PX_LAST	USD
Index	Bloombergbanksstres		PX_LAST	USD
Index	Bloomberg		PX_LAST	USD
Index	Bloombera Delaware I		PX_LAST	USD



# Remembered Instruments

**Bold: remembered  
for next time**

Not remembered



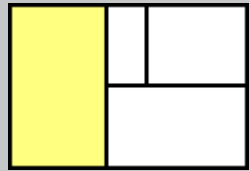
Forget  
Instrument

Remember  
Instrument

Delete not  
remembered  
Instruments

Instruments are automatically remembered  
when you

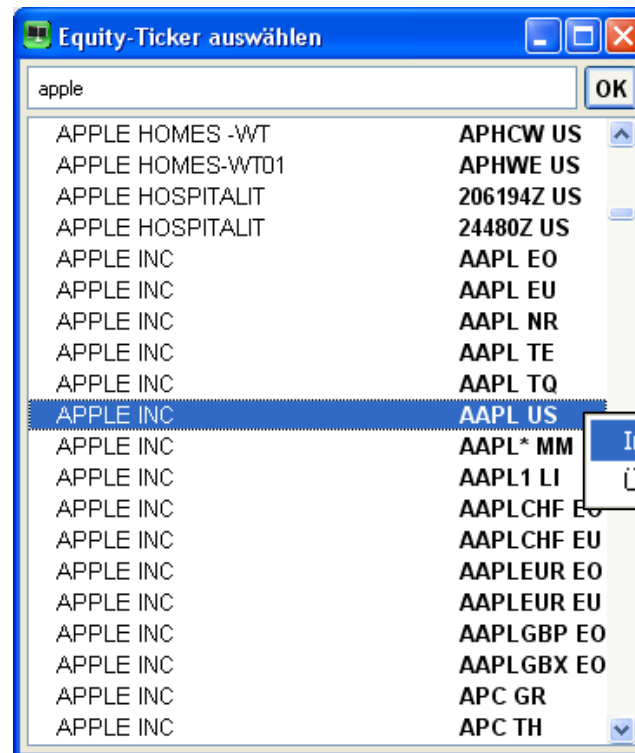
- change the Name or
- create a Chart with it



# Search Instrument

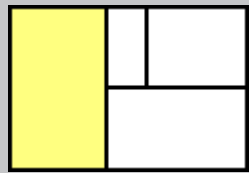


Search Ticker or Word

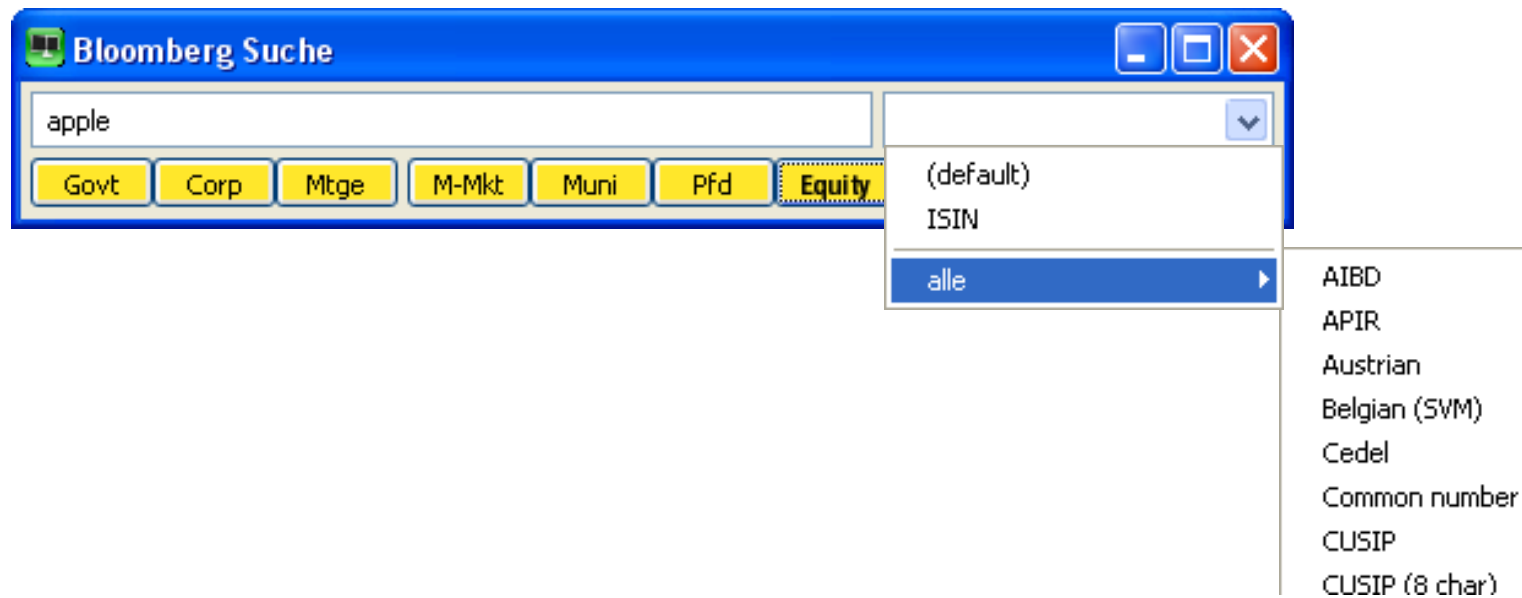


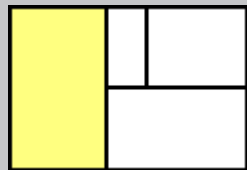
If not found,  
open search dialog





# Ticker Types

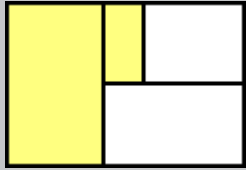




# Add Field

The process involves selecting a field from a list and adding it to the table. The resulting table is as follows:

Typ	Name	Markt	Feld	Wrg.
Index	<b>Dow Jones Indus. A</b>		PX_LAST	USD
Equity	Alcoa Inc	UN	PX_LAST	USD
Equity	American Express Co	UN	PX_LAST	USD
Equity	Boeing Co	UN	PX_LAST	USD
Equity	Bank Of America Corp	UN	PX_LAST	USD
Equity	Caterpillar Inc	UN	PX_LAST	USD
Equity	Cisco Systems Inc	UN	PX_LAST	USD
Equity	Chevron Corp	UN	PX_LAST	USD
Equity	American Express Co	UN	MOV_AV	USD
Equity	American Express Co	US	PX_LAST	USD
Equity	American Express Co	MM	PX_LAST	MXN
Equity	American Express Co	GR	PX_LAST	EUR
Equity	American Express Co	AR	PX_LAST	ARS



# Templates

Chart Templates with common Durations

Duration

Start Date

From Beginning of Month

Resolution

Only 2-day Intraday

Typ	Name	Markt	Feld	Wrg.
Index	Dow Jones Indus. Avg		PX_LAST	USD
Equity	Alcoa Inc	UN	PX_LAST	USD
Equity	American Express Co	UN	PX_LAST	USD
Equity	American Express Co	UN	MOV_AV	USD
Equity	American Express Co	US	PX_LAST	USD
Equity	American Express Co	MXN	PX_LAST	MXN
Equity	American Express Co	GR	PX_LAST	EUR
Equity	American Express Co	AR	PX_LAST	ARS
Index	Bbg Advertising Age I		PX_LAST	USD
Index	Bbg No Short-America		PX_LAST	USD
Index	Bloombergbanksstres		PX_LAST	USD
Index	Bloomberg		PX_LAST	USD
Index	Bloomberg Delaware I		PX_LAST	USD
Index	Bloomberg Esg Cover		PX_LAST	USD
Index	Bloomberg Esg Proce		PX_LAST	USD
Index	Edin Bank Holding Co		PX_LAST	USD

1 Jahr  
6 Monate  
3 Monate  
Auswahl...

2 Tage

Startdatum

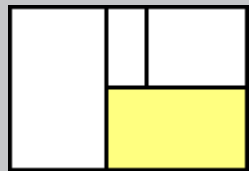
Jahre 0 Monate

Datum 8.10.2005

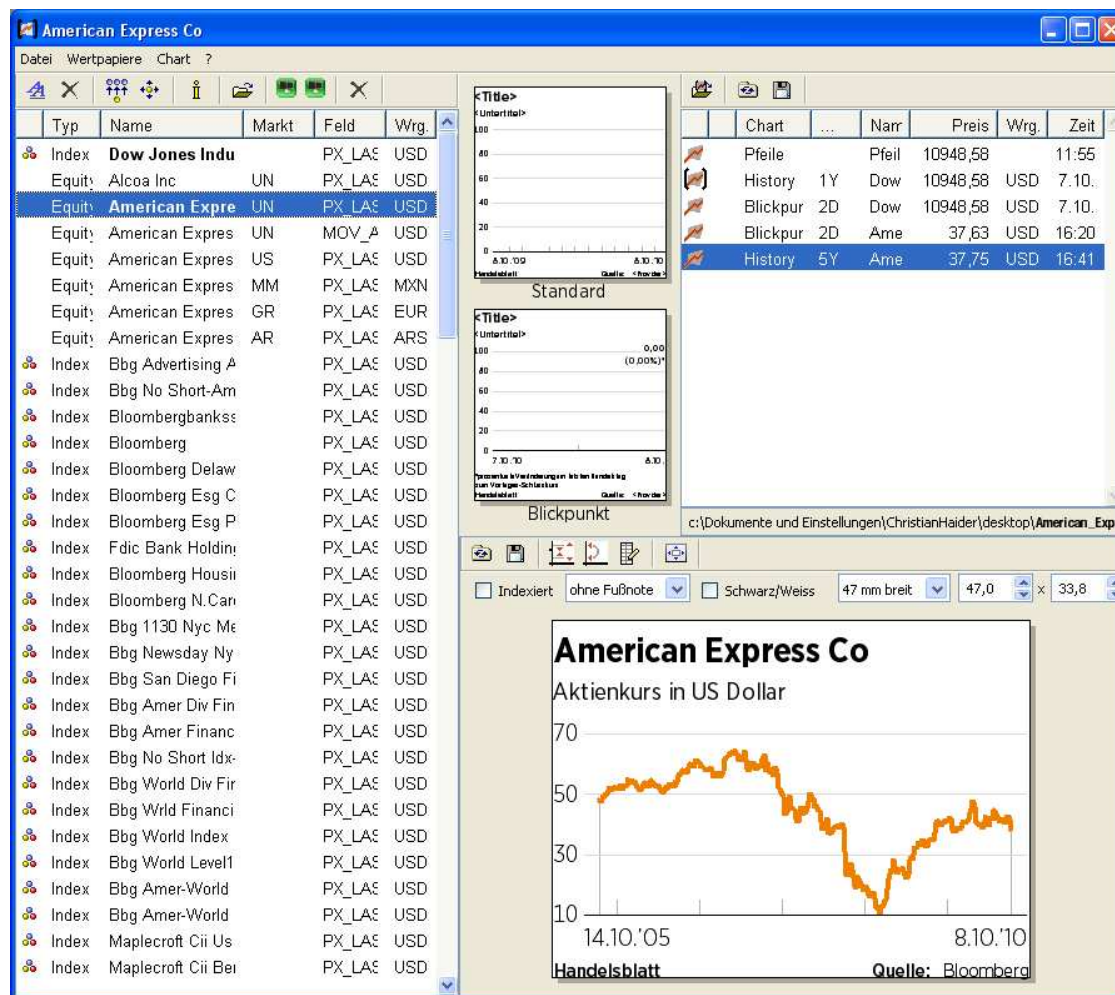
☐ ab Monatsbeginn

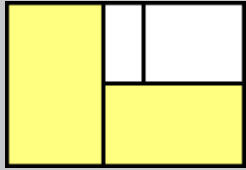
Auflösung 1 Woche

Abbrechen OK

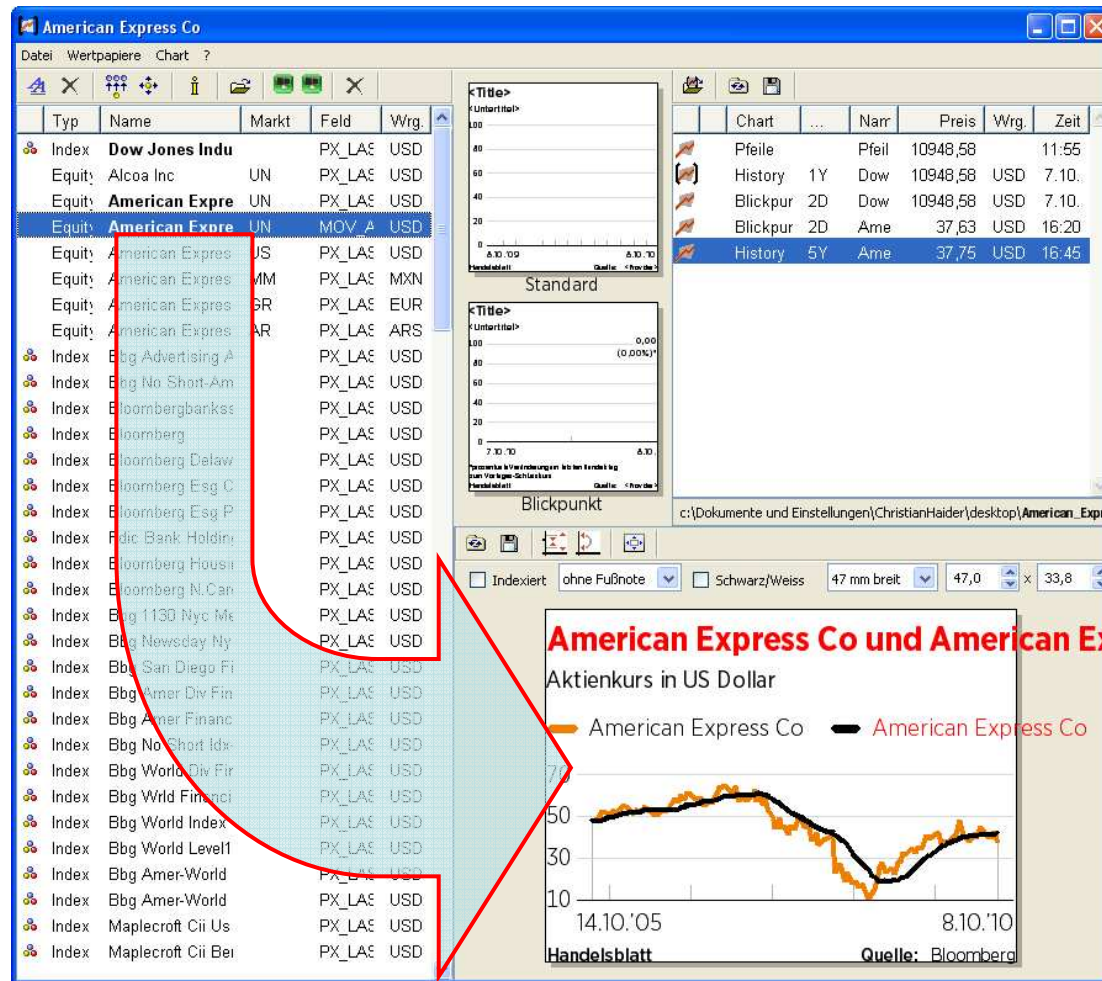


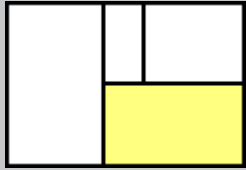
# New 5-Year Chart



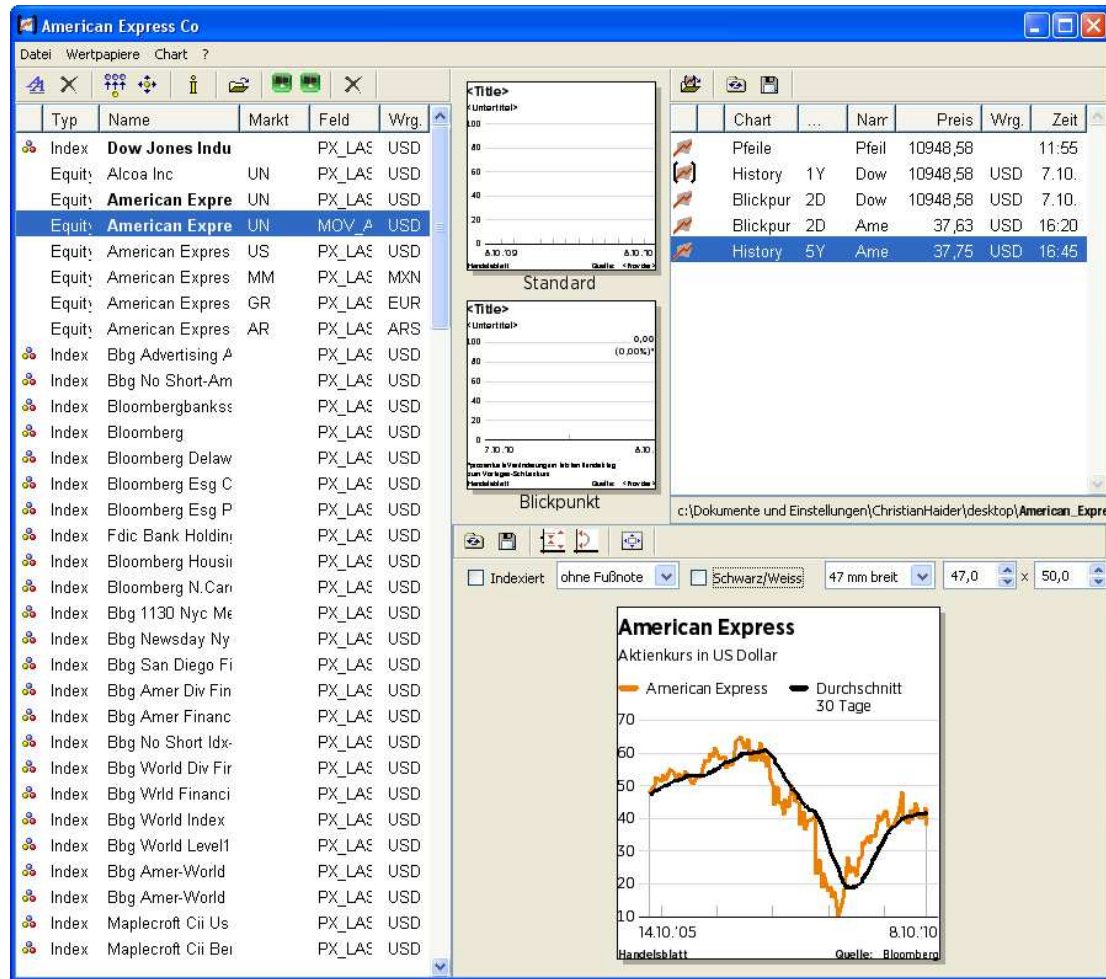


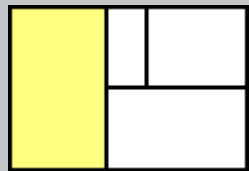
# Add Moving Average



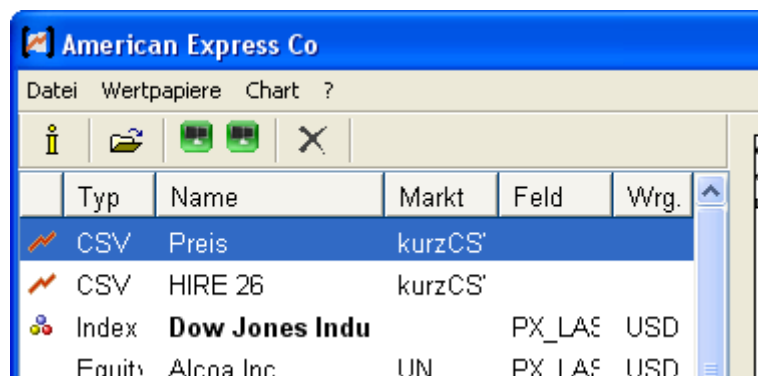
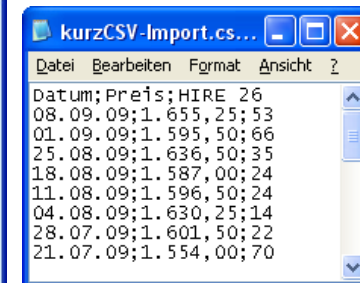
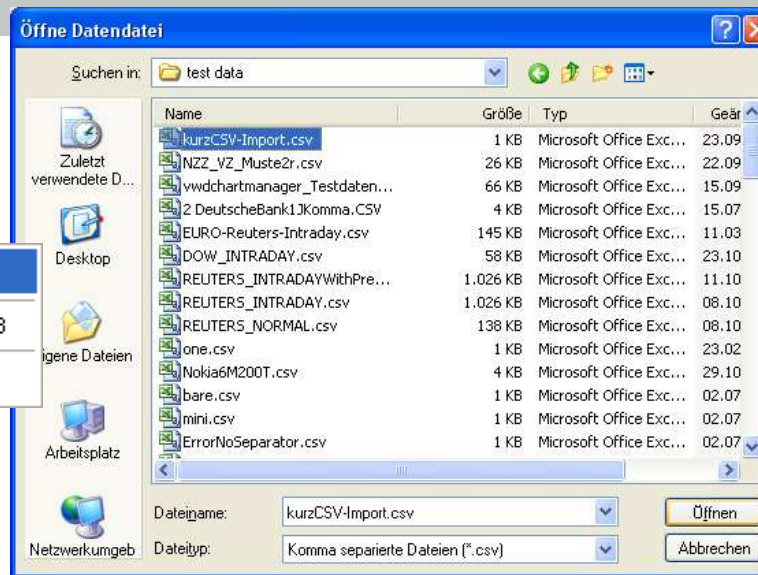
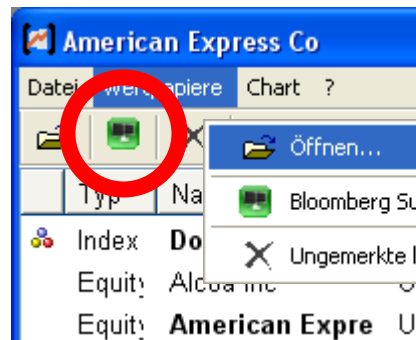


... nicer

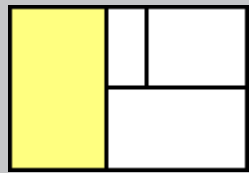




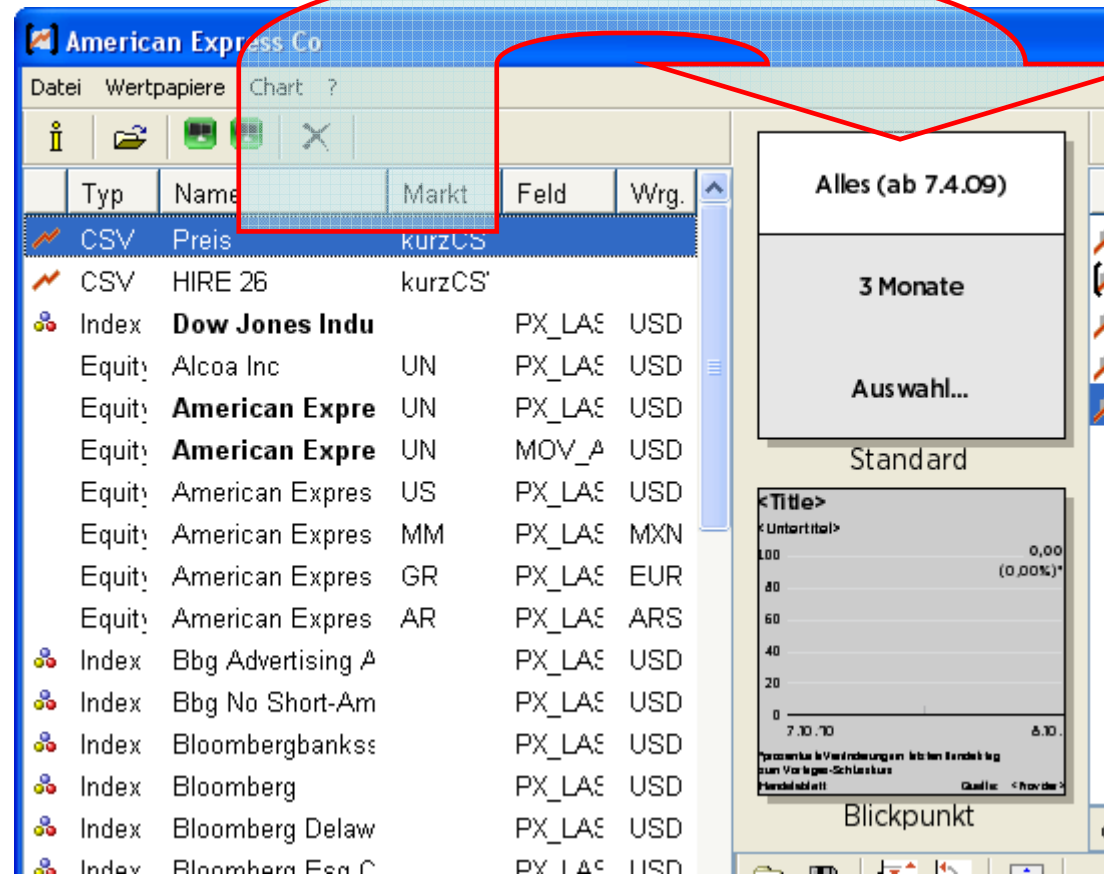
# Open CSV Data

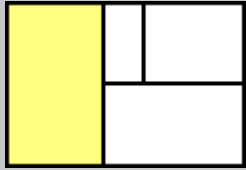


One Item  
per Column

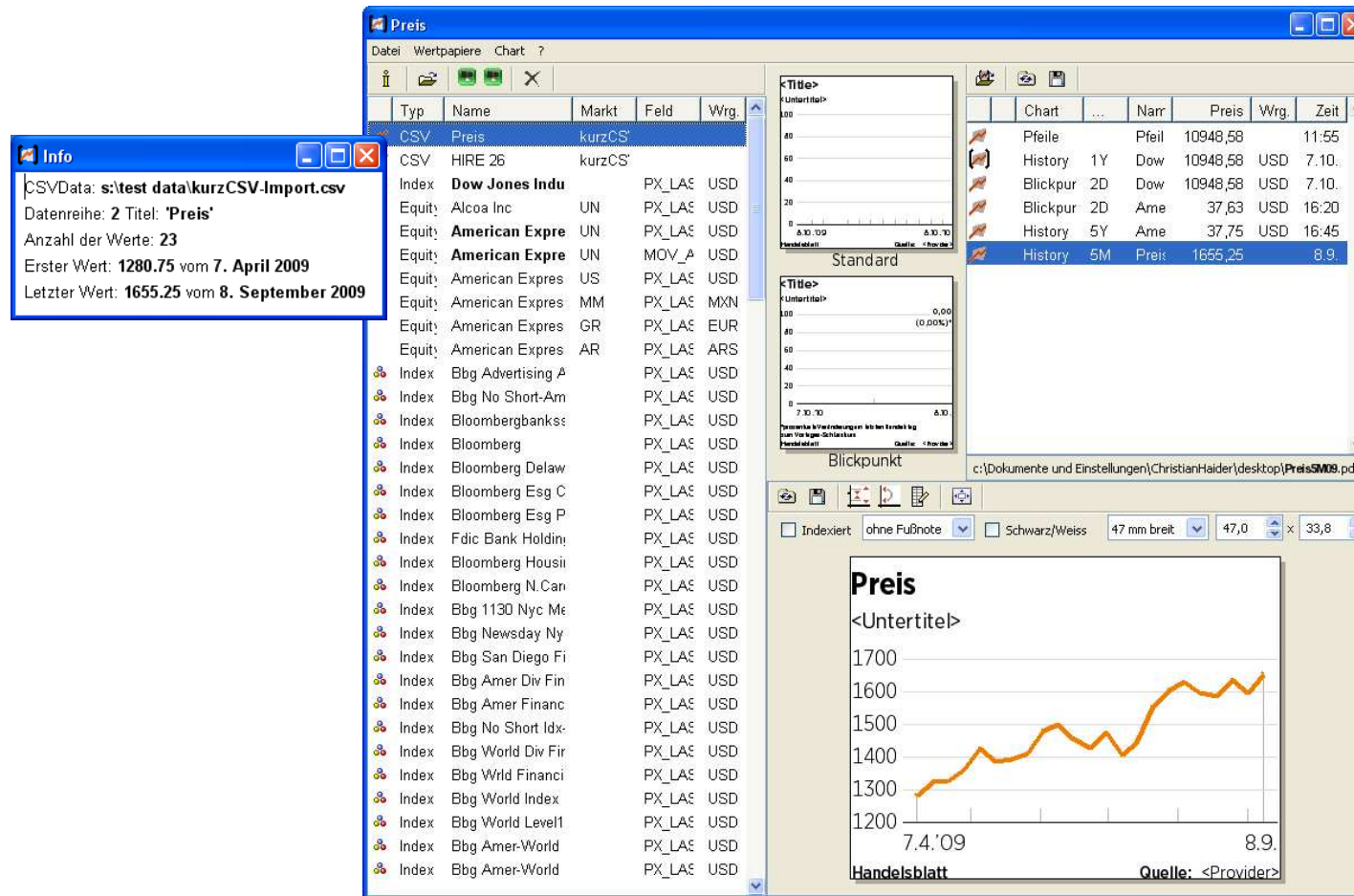


# Durations depend on Data





# Chart with CSV Data



Thank you for your Attention

# The End

