

KSE

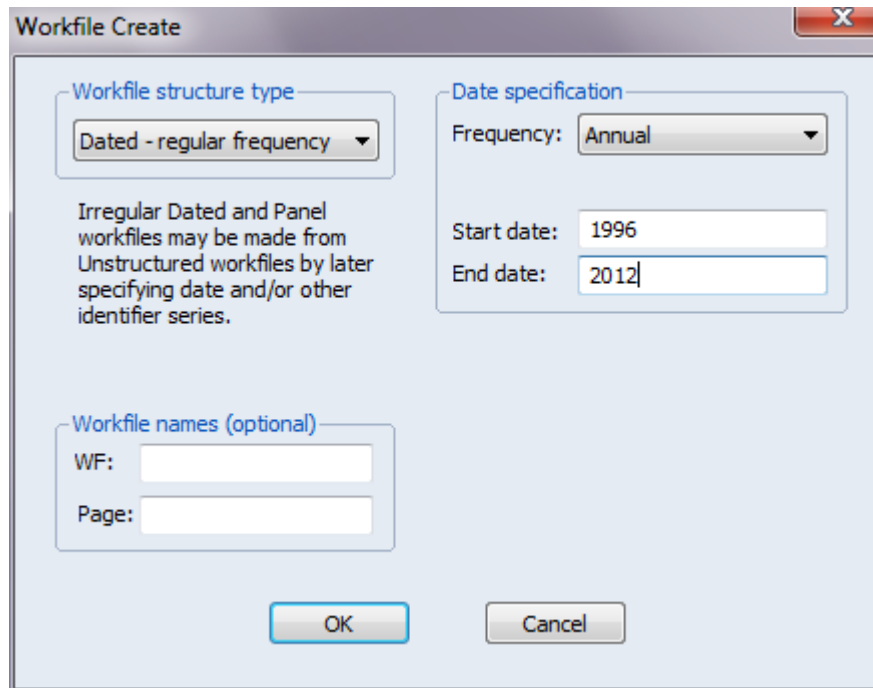
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Work with EViews

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Creating a Workfile

- To create a new workfile, select **File/New/Workfile...** from the main menu to open the **Workfile Create** dialog



The screenshot shows the 'Workfile Create' dialog box with the following settings:

- Workfile structure type:** Dated - regular frequency
- Date specification:** Frequency: Annual; Start date: 1996; End date: 2012
- Workfile names (optional):** WF: [empty]; Page: [empty]

Buttons: OK, Cancel

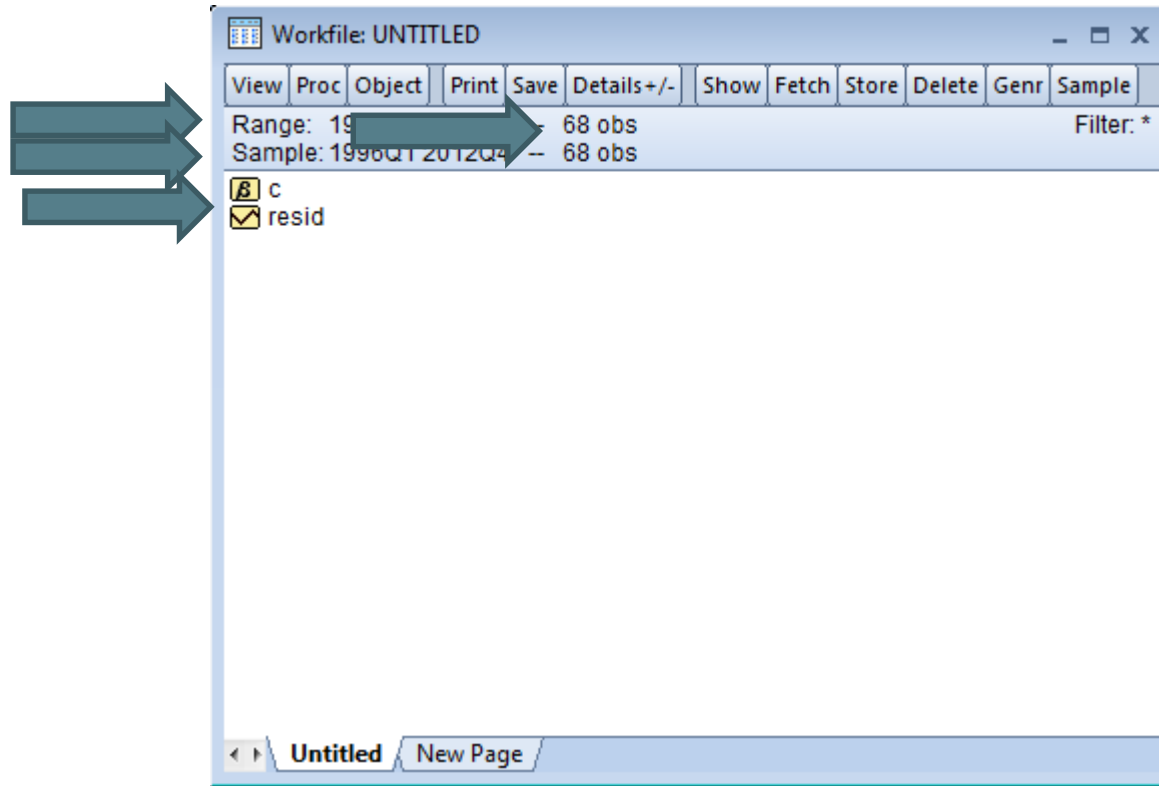
Irregular Dated and Panel workfiles may be made from Unstructured workfiles by later specifying date and/or other identifier series.

Date specification

- When you select **Dated - regular frequency**, EViews will prompt you to select a frequency for your data. You may choose between the standard EViews supported date frequencies (**Multi-year, Annual, Semi-annual, Quarterly, Monthly, Bimonthly, Fortnight, Ten-day, Weekly, Daily - 5 day week, Daily - 7 day week, Daily - custom week, Intraday**), and a special frequency (**Integer date**) which is a generalization of a simple enumeration.
- For non-annual dates the “:” separator is used.


The screenshot shows the 'Date specification' dialog box in EViews. The 'Frequency' dropdown menu is open, displaying a list of frequency options. The 'Annual' option is currently selected and highlighted in blue. Other options include Multi-year, Semi-annual, Quarterly, Monthly, Bimonthly, Fortnight, Ten-day (Trimonthly), Weekly, Daily - 5 day week, Daily - 7 day week, Daily - custom week, Intraday, and Integer date. The 'Start date:' and 'End date:' fields are visible but empty.

Workfile



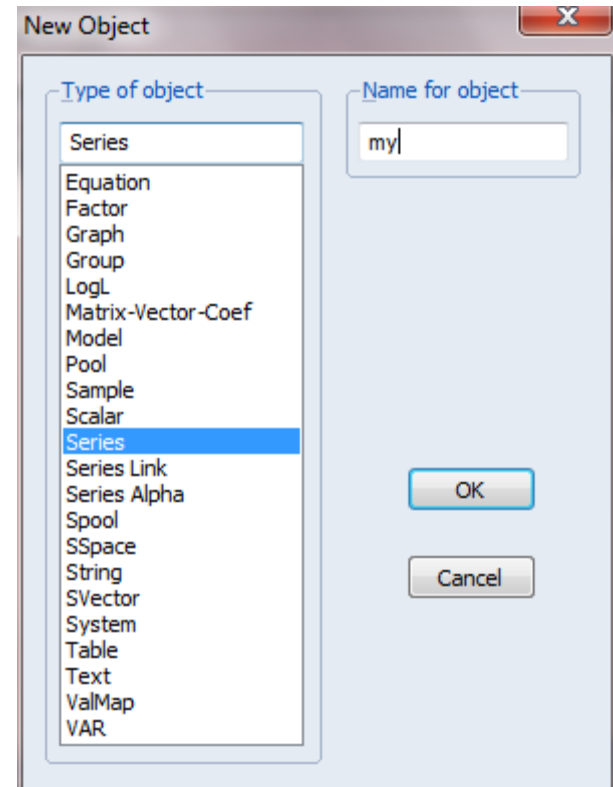
Creating an object

- Information in EViews is stored in *objects*.
- The most common objects in EViews are series and equation objects.
- Menu **Object/New Object...**

	Alpha		Matrix		Spool		Text
	Coef		Model		Sspace		Valmap
	Equation		Pool		String		Var
	Factor		Rowvector		Svector		Vector
	Graph		Sample		Sym		
	Group		Scalar		System		
	Logl		Series		Table		

Creating a variable

- ***Object***→***New Object...***
- **series my**



Quick-Generate Series

Generate Series by Equation ×

Enter equation

$a = \log(m1)$

Sample

1959M01 1989M12

OK Cancel

Functions

Name	Function
@abs(x), abs(x)	absolute value
@exp(x), exp(x)	exponential, e^x
@log(x), log(x)	natural logarithm
@sqrt(x), sqr(x)	square root
d(x)	first difference
d(x,n)	n-th order difference
dlog(x)	first difference of the logarithm
dlog(x,n)	n-th order difference of the logarithm
@pc(x)	one-period percentage change (in percent)
@mean(x[,s])	mean
@obs(x[,s])	number of observations
@stdevs(x[,s])	sample standard deviation
@stdevp(x[,s])	population standard deviation

Working with Objects

- Naming Objects
- Labelling Objects
- Freezing Objects
- Deleting Objects
- Editing Series
- Grouping Series
- Viewing Series

Importing data: txt-file

- File: oxford.txt
- Workfile: integer date, 1:40
- EViews 7,8: Menu **File/Import/Read...** or **File/Import/Read from file...**
- EViews 9: **File/Import/Import from file...** without creating workfile

Text-Read – 1

Text Read - Step 1 of 4 ✕

Please examine the preview window

If the rows and columns appear to be correct, click on the Finish button to read your data into EViews.

To adjust the column breaks, choose a column type from the list on the right, then click Next to continue.

To adjust the row breaks, click on the following

Column specification

Delimiter characters between values

Fixed width fields

An explicit format (to be provided)

Start of data/header

Skip lines:

N	SEX	HEIGHT	SIB	DIST	DEG	COUNT
1	1	183	1	80	2	6
2	2	163	2	3	1	32
3	2	152	2	90	1	22
4	2	157	3	272	2	12
5	2	157	1	80	2	12
6	2	165	3	8	2	18
7	1	173	1	485	2	14
8	1	180	2	176	2	8
9	2	164	2	10	2	6
10	2	160	3	72	1	18

Text-Read – 2

Text Read - Step 2 of 4

Delimiters

Standard delimiter:

Custom delimiters: Enter list of delimiters - Use 'T' for tab and 'A' for all alpha

Treat consecutive delimiters as one

Other options

Don't split quoted fields

Quote character(s):

	N	SEX	HEIGHT	SIB	DIST	DEG	COUNT
1							
2	1	1	183	1	80	2	6
3	2	2	163	2	3	1	32
4	3	2	152	2	90	1	22
5	4	2	157	3	272	2	12
6	5	2	157	1	80	2	12
7	6	2	165	3	8	2	18
8	7	1	173	1	485	2	14
9	8	1	180	2	176	2	8
10	9	2	164	2	10	2	6
11	10	2	160	3	72	1	18
12	11	2	166	0	294	2	16

Скасувати < Назад **Далі >** Готово

Text-Read – 3

Text Read - Step 3 of 4

Column headers

Header lines: 1

Header type: Names only

Clear Edited Column Info

Text representing NA

Column info

Click in preview to select column for editing

Name: HEIGHT

Description:

Data type: Number

N	SEX	HEIGHT	SIB	DIST	DEG	COUNT
1	1	183	1	80	2	6
2	2	163	2	3	1	32
3	2	152	2	90	1	22
4	2	157	3	272	2	12
5	2	157	1	80	2	12
6	2	165	3	8	2	18
7	1	173	1	485	2	14
8	1	180	2	176	2	8

Read series by row (transpose incoming data)

Скасувати < Назад Дали > Готово

Text-Read – 4

Text Read - Step 4 of 4

Import method
 Create new workfile

Import options
 Rename Series
 Frequency Conversion

Structure of the Data to be Imported

Basic structure
 Unstructured / Undated

Observations: 40

	N	SEX	HEIGHT	SIB	DIST	DEG
1	1	1	183	1	80	^
2	2	2	163	2	3	
3	3	2	152	2	90	
4	4	2	157	3	272	
5	5	2	157	1	80	
6	6	2	165	3	8	
7	7	1	173	1	485	
8	8	1	180	2	176	v
9						
10						

Cancel <Back Next> Finish

Importing data: txt-file (old Eviews)

ASCII Text Import

Name for series or Number if named in file:

Series headers: # of headers (including names) before data:

Import sample: Reset sample to: Current sample Workfile range To end of range

Data order: in Columns in Rows

Delimiters: Treat multiple delimiters as one Tab Comma Space Alpha (A-Z) Custom:

Rectangular file layout: File laid out as rectangle
 Columns to skip:
 Rows to skip:
 Comment character:

Miscellaneous: Quote with single ' not * Drop strings - don't make NA Numbers in (..) are negative Allow commas in numbers
 Currency:
 Text for NA:

Preview - First 16K of file:

Table A. Data set for a random sample of 40 students
 N - Student reference number
 SEX - Sex (1 = Male, 2 = Female)
 HEIGHT - Height (cm)
 SIB - Number of Siblings
 DIST - Distance from home to Oxford (km)

OK Cancel

Importing data: xls-file – 1

Файл Главная Вставка Разметка страницы Формулы Д

Вставить

Буфер обмена

Шрифт

Выравнивание

B8 : X ✓ fx 1

	A	B	C	D	E	F	G
1	Table B. Data set for a random sample of 40 students						
2	N - Student reference number						
3	SEX - Sex (1 = Male, 2 = Female)						
4	HEIGHT - Height (cm)						
5	DIST- Distance from home to Oxford (km)						
6	COUNT - A-level count						
7		N	SEX	HEIGHT	DIST	COUNT	
8		1	1	183	80	6	
9		2	2	163	3	32	
10		3	2	152	90	22	
11		4	2	157	272	12	
12		5	2	157	80	12	
13		6	2	165	8	18	
14		7	1	173	485	14	
15		8	1	180	176	8	
16		9	2	164	10	6	
17		10	2	160	72	18	

Importing data: xls-file

- File: oxford.xls
- Important!!! **Close xls file!**
- Workfile: integer date, 1:40
- EViews7: Menu **File/Import/Read...**
- **EViews9: File/Import/Import from file...** without creating workfile

Xls-import – 1

Excel 97-2003 Read - Step 1 of 3

Cell Range

Predefined range

Sheet: oxford

Start cell: \$A\$7

End cell: \$E\$47

Custom range

oxford!\$A\$7:\$E\$47

N	SEX	HIGHT	DIST	COUNT
1	1	183	80	6
2	2	163	3	32
3	2	152	90	22
4	2	157	272	12
5	2	157	80	12
6	2	165	8	18
7	1	173	485	14
8	1	180	176	8
9	2	164	10	6

Read series by row (transpose incoming data)

Скасувати < Назад **Далі >** Готово

Xls-import – 2

Excel 97-2003 Read - Step 2 of 3

Column headers

Header lines: 1

Header type: Names only

Clear Edited Column Info

Text representing NA

#N/A

Column info

Click in preview to select column for editing

Name: HEIGHT

Description:

Data type: Number

N	SEX	HEIGHT	DIST	COUNT
1	1	183	80	6
2	2	163	3	32
3	2	152	90	22
4	2	157	272	12
5	2	157	80	12
6	2	165	8	18
7	1	173	485	14
8	1	180	176	8

Read series by row (transpose incoming data)

Скасувати < Назад **Далі >** Готово

Xls-import – 3

Excel 97-2003 Read - Step 3 of 3

Import method: Create new workfile

Structure of the Data to be Imported

Basic structure: Unstructured / Undated

Observations: 40

Import options: Rename Series, Frequency Conversion

	N	SEX	HEIGHT	DIST	COUNT
1	1	1	183	80	6
2	2	2	163	3	32
3	3	2	152	90	22
4	4	2	157	272	12
5	5	2	157	80	12
6	6	2	165	8	18
7	7	1	173	485	14
8	8	1	180	176	8
9					
10					

Cancel <Back Next> Finish

Importing data: xls-file (old Eviews)

The image shows a screenshot of the 'Excel Spreadsheet Import' dialog box in EViews. Several elements are highlighted with red circles and a red oval:

- Data order:** The radio button for 'By Observation - series in columns' is circled in red.
- Upper-left data cell:** The text 'B8' in the input field is circled in red.
- Names for series:** The text 'SEX HEIGHT DIST COUNT' in the list box is circled in red.

The dialog box contains the following fields and options:

- Data order:** Radio buttons for 'By Observation - series in columns' (selected) and 'By Series - series in rows'.
- Upper-left data cell:** Text input field containing 'B8'.
- Excel 5+ sheet name:** Empty text input field.
- Names for series:** List box containing 'SEX HEIGHT DIST COUNT'.
- Import sample:** Text input field containing '1 40'.
- Reset sample to:** Radio buttons for 'Current sample', 'Workfile range', and 'To end of range'.
- Write date/obs:** Check box (unchecked).
- Write series names:** Check box (unchecked).
- Options:** Radio buttons for 'EViews date format', 'First calendar day', and 'Last calendar day'.

Buttons for 'OK' and 'Cancel' are located at the bottom right.

Thank you for attention!