

Time Matrix Calculator

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www.timedistance.net

Instructions

Please use HTML5 supported browser, best latest versions of Firefox or Chrome.
For data input files please use Excel .xls format.

Interface

The screenshot shows the web interface for the Time Matrix Calculator. At the top, the title "Time Matrix Calculator" is displayed in red. Below the title is a green button labeled "Instructions". The main interface consists of several sections:

- File Upload:** A grey button labeled "Choose input file". A callout box on the left explains: "Uploads input file in the required Excel .xls format."
- Indicator Level Selection:** Two radio button options: "Indicator level step" (selected) and "User defined levels". The "Indicator level step" option has a text input field containing "1.0". A callout box on the right explains: "Defines levels of the indicator for calculation in time matrix, choose either."
- Precision (display):** A dropdown menu currently showing "1". A callout box on the right explains: "Defines a precision (decimal digits) of displayed time matrix."
- Show input data:** A checkbox labeled "Show input data:" which is checked. A callout box on the right explains: "Option: to display input data or not."
- Next Step:** A grey button labeled ">> Next >>". A callout box on the left explains: "Click >> Next >> to execute"

At the bottom of the interface, there is a footer containing the following text:

Feel free to use [our example file](#) for testing purposes.
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Options for Time Matrix Calculator

Indicator level step

Defines levels of the indicator for calculation in time matrix. It calculates only levels which are multiples of the value entered (within the range of input data). Default value is 1.

User defined levels

Defines the user selected levels of the indicator for calculation in time matrix. It calculates only levels which are entered in this field. Values have to be semicolon separated (e.g., 73;74;75;76).

Precision (display)

Defines a precision (decimal digits) of displayed output time matrix. Default value is 1 (with no decimal digits).

Show input data

Option: to display input data or not. Default value is YES.

Limitations of the present version of the Time Matrix Calculator

The present version accepts input files with data entries with up to 3 decimal points.

Required format of the input file:

Input file is an Excel file (.xls) with data table in active sheet (see example).

In the row 1 there are time units (number format) from cell B1 in the Excel file to the right.

In the first column are unit names (text format, e.g., countries, regions, etc.) from cell A2 down.

Example of input file (for indicator life expectancy at birth)

Life expectancy at birth	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Belgium	76.2	76.3	76.5	76.5	76.8	77.0	77.3	77.5	77.6	77.7	77.9	78.1	78.2	78.3	79.0	79.1	79.5	79.9	79.8	80.1	80.3	80.5
Bulgaria	71.2	71.1	71.2	71.2	70.9	71.0	70.8	70.3	70.9	71.6	71.9	72.1	72.3	72.5	72.5	72.7	73.0	73.3	73.7	73.8	74.2	
Czech Rep.	71.5	72.0	72.4	72.9	73.2	73.3	74.0	74.1	74.7	74.9	75.1	75.4	75.4	75.3	75.9	76.1	76.8	77.0	77.3	77.4	77.7	78.0
Denmark	74.9	75.3	75.3	75.2	75.5	75.3	75.7	76.1	76.5	76.6	76.9	77.0	77.1	77.4	77.8	78.3	78.4	78.8	79.0	79.3	79.9	
Germany	75.4	75.7	76.2	76.2	76.6	76.7	77.0	77.4	77.8	78.0	78.3	78.6	78.6	78.6	79.3	79.4	79.9	80.1	80.2	80.3	80.5	80.8
Estonia	69.9	69.8	69.1	68.1	66.6	67.7	69.9	70.1	69.7	70.4	70.8	70.6	71.1	71.7	72.2	72.8	73.1	73.1	74.3	75.2	76.0	76.5
Ireland	74.8	75.0	75.4	75.3	75.8	75.5	75.8	76.0	76.2	76.1	76.6	77.2	77.9	78.3	78.9	79.4	79.7	79.7	80.2	80.2	81.0	80.6
Spain	77.0	77.1	77.6	77.7	78.1	78.1	78.2	78.7	78.8	78.8	79.3	79.8	79.9	79.8	80.4	80.4	81.2	81.2	81.5	81.9	82.3	82.4
France	77.0	77.2	77.5	77.5	78.0	78.1	78.2	78.6	78.8	78.9	79.2	79.3	79.4	79.3	80.4	80.4	81.0	81.3	81.4	81.6	81.9	82.3
Italy	77.1	77.1	77.5	77.8	78.1	78.3	78.7	79.0	79.1	79.6	79.9	80.2	80.4	80.0	81.0	80.9	81.5	81.6	81.9	82.1	82.5	82.8
Cyprus				77.2	77.2	77.4	77.7	77.4	77.2	78.0	77.7	79.0	78.7	79.1	79.2	78.9	80.3	80.1	80.8	81.1	81.5	81.2
Latvia													70.4	70.8	71.2	71.0	70.9	71.2	72.5	73.3	73.7	73.9
Lithuania	71.5	70.6	70.5	69.0	68.6	69.1	70.3	71.1	71.4	71.8	72.2	71.8	71.9	72.1	72.0	71.3	71.1	70.9	72.0	73.2	73.5	73.8
Luxembourg	75.7	75.7	75.3	76.0	76.7	76.8	77.1	77.3	78.0	78.0	78.0	78.1	77.9	79.2	79.6	79.4	79.5	80.7	80.8	80.8	81.1	
Hungary	69.4	69.4	69.2	69.2	69.6	70.0	70.6	71.1	71.0	71.1	71.9	72.5	72.6	72.6	73.0	73.0	73.5	73.6	74.2	74.4	74.7	75.1
Malta						77.2	77.3	77.6	77.5	77.4	78.4	78.9	78.8	78.7	79.4	79.4	79.5	79.9	79.7	80.3	81.4	80.9
Netherlands	77.1	77.2	77.4	77.1	77.6	77.6	77.6	78.0	78.1	78.0	78.2	78.4	78.5	78.7	79.3	79.6	80.0	80.4	80.5	80.9	81.0	81.3
Austria	75.8	75.9	76.1	76.3	76.7	76.9	77.1	77.5	77.9	78.1	78.3	78.8	78.9	78.8	79.3	79.5	80.1	80.4	80.6	80.5	80.8	81.2
Poland	70.7	70.4	71.0	71.5	71.8	72.0	72.3	72.7	73.1	73.1	73.8	74.2	74.5	74.7	74.9	75.0	75.3	75.4	75.6	75.9	76.4	76.9
Portugal	74.1	74.1	74.7	74.6	75.5	75.4	75.3	75.7	76.0	76.2	76.7	77.0	77.3	77.4	78.3	78.1	78.9	79.1	79.4	79.6	79.8	80.9
Romania	69.9	70.1	69.5	69.5	69.4	69.3	68.8	69.1	69.9	70.6	71.2	71.1	70.9	71.3	71.8	72.1	72.6	73.2	73.4	73.5	73.8	74.6
Slovenia	73.9	73.6	73.7	73.6	74.0	74.7	75.2	75.2	75.3	75.7	76.2	76.4	76.6	76.4	77.2	77.5	78.3	78.4	79.1	79.4	79.8	80.1
Slovakia	71.1	71.1	71.5	72.0	72.5	72.4	72.9	72.9	72.8	73.2	73.3	73.6	73.8	73.8	74.2	74.1	74.4	74.6	74.9	75.3	75.6	76.1
Finland	75.1	75.5	75.7	75.9	76.7	76.7	77.0	77.2	77.4	77.6	77.8	78.2	78.3	78.6	79.0	79.1	79.5	79.6	79.9	80.1	80.2	80.6
Sweden	77.7	77.8	78.2	78.2	78.9	79.0	79.2	79.4	79.5	79.6	79.8	79.9	80.0	80.3	80.7	80.7	81.0	81.1	81.3	81.5	81.6	81.9
UK				76.3	76.8	76.7	77.0	77.2	77.4	77.5	78.0	78.2	78.3	78.4	79.0	79.2	79.6	79.8	79.9	80.5	80.7	81.1

Source: Eurostat, Life expectancy by age and sex [demo_mlexpec], Total.

Example of Output: SORTED TIME MATRIX

If you wish to have it in an Excel file (CTRL+A to select, CTRL+C to copy, CTRL+V to paste).

LEVEL	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82
Italy												1994	1997	2003	2005	2009
Spain											1990	1994	1999	2003	2006	2009
France											1990	1995	1999	2004	2006	2010
Sweden												1992	1995	2002	2006	
Cyprus												2000	2005	2006	2009	
Ireland									1991	1997	2001	2002	2004	2008	2010	
Netherlands												1999	2004	2006	2010	
Austria										1992	1996	1999	2003	2006	2011	
Luxembourg										1993	1997	2003	2004	2007	2011	
UK											1996	2000	2004	2008	2011	
Malta												2000	2003	2009	2011	
Germany										1992	1996	1999	2004	2007		
Finland										1993	1996	2001	2004	2009		
Belgium											1995	2001	2004	2009		
Portugal									1993	1998	2001	2004	2007	2010		
Slovenia								1994	1996	2000	2004	2006	2008	2011		
Denmark									1990	1997	2001	2004	2009			
Czech Rep.						1991	1993	1996	2000	2005	2007	2011				
Poland					1992	1995	1998	2001	2005	2009						
Estonia	1994	1995	1996	1998	2002	2004	2006	2008	2009	2010						
Slovakia						1993	1999	2004	2008	2011						
Hungary				1995	1998	2000	2005	2008	2011							
Romania			1997	1998	2002	2005	2007	2010								
Bulgaria					1998	2002	2007	2011								
Latvia					2006	2008	2009									
Lithuania			1995	1996	2007	2008	2009									

The year presented in bold show the latest available year for a given selected level of the indicator. It can help to quickly observe whether there was a noticeable decrease in later years in the observed period.