

# DemoTools

Tool #1 - Population Projections: Features List	Version		
	Standard	Professional	Advanced
<b>Cohort-component-projection</b> (core engine), based on age-specific fertility rates, central death rates, mid-term adjusted migration, and (if requested) calibration factors	✓	✓	✓
<b>Complete sets of <i>default</i> input data for all countries and major regions worldwide</b> (according to the 1998 UN World Population Prospects) for quick and easy projections	✓	✓	✓
<b>Automatic calculation of abbreviated life tables</b> (you can use <i>standard</i> death rates as input for the projection)	✓	✓	✓
<b>Completely transparent file structure</b> (all input and output files are <i>standard</i> ASCII files, which you can edit freely)	✓	✓	✓
<b>Automatic summary tables</b> (total population, population by age groups, total population change, population change in %)	✓	✓	✓
<b>Trend charts</b> (total population & population by selected age groups: children & elderly)	✓	✓	✓
<b>Animated population pyramids</b> (to show population change unfold during projection period)	✓	✓	✓
<b>Copy &amp; paste of output <i>tables</i></b> (into Windows applications, such as MS-Excel, MS-PowerPoint, Adobe Photoshop)	✓	✓	✓
<b>Copy &amp; paste of output <i>charts</i></b> (into Windows applications, such as MS-Word, Paintbrush, Internet Explorer, Netscape)	✓	✓	✓
<b>Printing: total population</b> by age and sex for total projection period (5-year steps)	✓	✓	✓
<b>Printing: population by selected age groups</b> (total population in age group and as percentage of total)	✓	✓	✓
<b>Loading and saving of <i>custom</i> input files</b> (with your own input data or with your modifications of the UN default input data sets)	-	✓	✓
<b>Extended print menu</b> with additional possibilities to modify print parameters (selective printing)	-	✓	✓
<b>Additional output: total number of annual births &amp; deaths</b> for all projection periods (male & female)	-	✓	✓
<b>Additional output: crude birth rate, crude death rate, rate of natural population change</b> for all projection periods	-	✓	✓
<b>10 Lectures in demographic modeling</b> (with problem description, modeling instructions, discussion of results)	-	-	✓
<b>10 Custom input data sets</b> , specifically prepared for the demographic lectures; automatic loading of appropriate input data files for each lecture	-	-	✓
<b>Advanced input parameter menu</b> with additional possibilities to modify projection parameters	-	-	✓
<b>Advanced printing options: printing of abbreviated life tables</b> for the base period and for all projection periods (male & female)	-	-	✓
<b>Options for changing the colors in charts</b> (important for publishing and MS-PowerPoint presentations)	-	-	✓
<b>Advanced UN input data selection menu</b> with separate sorting for regions, countries; also has UN sort order and alphabetical sorting	-	-	✓