Products from ESB Consultancy

As of 21 June 2011

Math & Stats Applications

ESBCalc ™ Pro

Our powerful **Scientific Calculator for Microsoft Windows** with Infix Notation, Full Exponential Notation support, Brackets, Scientific Functions (Trigonometric, Hyperbolic, Logarithmic - including Base 10, Base 2 & Natural - plus more), Memory, Paper Trail, Result History List, Heaps of Constants, User-defined Constants and Integrated Help. Also includes Floating Decimal Point, Lakh Formatting, Paper Trail Comments and many other enhancements to the User Interface and Calculator Engine. You can also do Descriptive Statistics, Days between Dates, Degrees/Minutes/Seconds entering, Hexadecimal/Decimal Conversions and Fraction/Decimal Conversions. For those who don't like Precedence of Operators, that can also be turned off as ESBCalc Pro is highly configurable.

Grab trial version from:

http://www.esbconsult.com/esbcalc/esbcalcpro.htm

ESBCalc ™

Our powerful **FREEWARE Scientific Calculator for Microsoft Windows** that uses Infix notation and supports many functions including Trigonometry, Hyperbolic Functions, Logarithms (Base 10, Base 2 and Natural), and much more.

Grab a copy from:

http://www.esbconsult.com/esbcalc/esbcalc.htm

ESBUnitConv ™ Pro

Our powerful **Unit Conversion Utility for Microsoft Windows** to easily convert between units of measurement. Includes Units for Temperature, Distance, Mass, Area, Volume, Pressure, Velocity, Acceleration, Force, Energy, Power, Fuel Consumption, Flow, Torque, Angles, Time, Illumination, Luminous Intensity, Luminance, Luminous Flux, Density, Angular Velocity, Angular Acceleration, Computer Storage, Data Rates, Dynamic Viscosity, Kinematic Viscosity, Electric Charge, Electric Current, Magnetic Flux, Magnetic Flux Density, Quantities, Radiation Absorption, Radiation Dose & Radioactivity.

Includes the ability to log conversions, print, improved clipboard support, integrated help and much more. Also support for Exponential Notation in conversions and in the pop-up calculator. Special support included for SI Units, American Wire Gauge Table, Circle Calculations and Sphere Calculations. Also includes the ability to hide units if you don't want them.

Grab trial version from: http://www.esbconsult.com/esbcalc/esbunitconvpro.htm

ESBUnitConv ™

Our powerful **Freeware Unit Conversion Utility for Microsoft Windows** to easily convert between units of measurement. Includes Units for Temperature, Distance, Mass, Area, Volume, Pressure, Velocity, Acceleration, Force, Energy, Power, Fuel Consumption, Flow and Torque.

Grab a copy from:

http://www.esbconsult.com/esbcalc/esbunitconv.htm

ESBProgCalc ™ Pro

This is a **Programmer's Calculator for Microsoft Windows** that supports full precedence, large range of operations (including And, Or, Not, Nand, Nor, Xor, Xnor, Shl, Shr, Rol, Ror, Neg, Mod, etc), Paper Trail, Clipboard Support, History of results, Integrated Help, Expression Editing, and much more.. For those who don't like Precedence of Operators, that can also be turned off.

Grab trial version from:

http://www.esbconsult.com/esbcalc/esbprogcalcpro.htm

ESBFinCalc ™ Pro

This is our **Financial Calculator for Microsoft Windows** that aims to provide a sophisticated yet easy to use tool to perform Financial Calculations including Simple Interest, Compound Interest, Investments, Loans, Annuities, Depreciation, Coupon Dates and other features. Supports full Precedence, Logging of Results, Clipboard Support, Integrated Help, and much more. For those who don't like Precedence of Operators, that can also be turned off.

Grab trial version from:

http://www.esbconsult.com/esbcalc/esbfincalcpro.htm

ESBDateCalc ™ Pro

This is our **Date Calculator for Microsoft Windows** that aims to provide a sophisticated yet easy to use tool to perform Date Calculations. This includes displaying various information for a given year and a given date, as well as doing calculations on a Date Range as well as a Date / Time Range. Also includes Time Zone Conversions, National Holidays, Christian Holidays, Jewish Calendar Support, Muslim Calendar Support, Julian Calendar Support and more.

Grab trial version from:

http://www.esbconsult.com/esbcalc/esbdatecalcpro.htm

ESBCalc™ Pro Suite

This includes **ESBCalc Pro**, **ESBUnitConv Pro**, **ESBProgCalc Pro, ESBFinCalc Pro, ESBDateCalc Pro** and other calculators as they become available.

More Information from:

http://www.esbconsult.com/esbcalc/suite.htm

Calculators in Production

- ESBComplexCalc Pro – a Complex Number Calculator – Due in 2011.
- ESBRPNCalc Pro – an RPN-based Scientific Calculator – Due in 2011.

ESBPDF Analysis ™

Provides everything needed for using Discrete & Continuous Probability Distributions in a single application. Most Tables and supplied functions (such as in MS Excel) give P (X <= A) and using algebra other results can be found whereas **ESBPDF Analysis** handles all the Probability combinations for you.

Features include: Binomial, Poisson, Normal, Exponential, Student t, Chi Squared and F Distributions; Inverses of the Normal, Student t, Chi Squared and F Distributions; Lists of Binomial Coefficients, Factorials, Permutations; Fully Customisable; Integrated Help System which includes a Tutorial.

ESBPDF also has Graphing, Information about the Distributions, Microsoft Vista Support and much more.

We also plan on adding many more Distributions and features. **ESBPDF** is ideal for the Math/Stats Student who wishes to understand Probability Distributions better, as well as the Math Buff who wants a well-designed calculating tool.

Fully Functional Trial version available from our web site:

http://www.esbconsult.com/esbpdf

ESBStats ™

Statistical Analysis & Inferences in MS Office 97/2000/XP/2007 style Environment.

- Single, Dual (paired and unpaired) and Multiple Data Analysis.
- Data can be either for Sample or Population
- Data can be Time Based
- Data can be entered as Raw Data; Grouped Data; or as Summary Data
- Raw Data can be converted into Grouped Data
- Raw Data can have in-built Transformations applied to them
- Raw Data can have Custom defined Transformations applied to them
- Raw Data can have Random values meeting user defined criteria
- Data can be fully documented and stored in DataLists
- Standardisation of Data around given mean/standard deviation
- DataLists are grouped together in Workbooks - one Workbook is opened at a time and can contain many DataLists
- ESB Statistical Workbooks (.esw) are Compound Documents like MS Word Documents and MS Excel SpreadSheets, thus they support the same properties in Explorer.
- Sample Size calculations
- Random Sampling Lists
- Statistical Summary including: mean, median, mode, variance, standard deviation, kurtosis, skew, etc.
- Comparison of Statistics for Raw and Grouped of the same Data.
- Graphs and Charts including: Histograms, Line Graphs, Pie Graphs, Ogives, Scatter Diagrams, etc.

- Inference and Hypothesis Analysis of a Single Population - including the Mean, the Variance and Proportions.
- Inference and Hypothesis Analysis of Two Populations - including Difference of the Mean, Ratio of the Variance, Difference of Proportions.
- Linear Regression with Transformations of the dependent variable
- Multiple Regression with Transformations of the dependent variables
- Custom defined Transformations for Dual Data and Multiple Data Analysis
- Moving Averages
- Trend Analysis of Time Series Data
- Curve Fitting - calculation of polynomials and splines
- Data Import and Export to Text, Comma Delimited and Tab Delimited
- Data Import and Export to Excel
- Data Import and Export to DBF
- Saving of Charts and Graphs to BMP, WMF, EMF and JPG
- Saving of Summaries to RTF
- Sophisticated Reporting with Previewing
- HTML Output for integration into your Website
- Integrated Scientific Calculator also available as standalone
- Documentation Fields include Live Spell Checking like in MS Word
- Spell Checking and Thesaurus available on all Edit Fields
- Fully customisable interface
- Fully Integrated Help System
- On-line Tutorial

Available in 2 Editions: Lite and Standard

Fully Functional Trial version available from our web site:

http://www.esbconsult.com/esbstats

For Embarcadero (formerly CodeGear / Borland) VCL & Windows Development

ESBPCS ™ for VCL

ESB Professional Computation Suite (ESBPCS) provides a huge collection of Routines and Components to make Data Entry and Manipulation easier for both Developers and their end-users.

This is a collection of over 6000 routines/methods and over 235 classes/components in over 140 units for Embarcadero (formerly CodeGear / Borland) Delphi 7, 2005/Win32, 2006/Win32, 2007, 2009, and 2010 and C++ Builder 2006, 2007, 2009 and 2010, Borland Turbo Delphi Professional for Win32 and Borland Turbo C++ for Win32, CodeGear RAD Studio 2007 (Win32 Personalities), CodeGear RAD Studio 2009 and Embarcadero RAD Studio 2010, Delphi XE, C++ Builder XE and RAD Studio XE which are aimed at making "data entry and manipulation easier" for Developers and their Customers.

Our components are designed to do more of the work for you.

Components included cover Integer Edits, Float Edits, Hex Edits, IP Address Edits, Percentage Edits, Date Edits, Time Edits, Date/Time Edits, Month Edits, Time Edits, Complex Edits, Fraction Edits, Currency Edits, Calculator Edits, Calendar Edits, Button Edits, Comboboxes, Month Comboboxes, Day of Week Comboboxes, Time Zone Comboboxes, Country Comboboxes, Duration Comboboxes, SpinEdits, Month SpinEdits, DOW SpinEdits, Duration SpinEdits, Currency SpinEdits, Vector Edits, Matrix Edits, Calculators, Calendars, Statistical Analysis, Labels, URL Labels, Math Labels, Checkboxes, RadioGroups, CheckGroups, Memos, RichEdits and much more. As well, there are Data Aware versions of most of them.

Routines included cover Mathematics, Probability, Statistics, Complex Numbers, Fractions, Physics, Geometry, Astronomy, Longitude/Latitude, Unit Conversions, Strings, File IO, Registry, Financials, Country Lists, Holidays, Time Zones, Dates and Times, and much more.

This includes full source to all components.

Grab a Trial Version and Check out the Demos at:
http://www.esbconsult.com/esbpcs

ESBPCS-Lite™ for VCL

This is an ideal solution for those who want the full power and range of components / routines in **ESBPCS** but do not have any need for Data Aware components nor Data Aware Routines.

This also doesn't include the Source to the **ESBPCS Installer**.

Note: All Subsets include full source for the units and components that are included.

More Info at:
http://www.esbconsult.com/esbpcs

ESBPCS-Calcs™ for VCL

If you are mainly interested in the Calculators, Unit Conversions, Fractions and Complex Numbers then this subset is probably what you are after. Like the other subsets it includes an impressive range of components and routines in addition to those related to Calculators and Conversions.

Data Aware versions are included in this subset.

Note: All Subsets include full source for the units and components that are included.

More Info at:
http://www.esbconsult.com/esbpcs

ESBPCS-Dates™ for VCL

If you are mainly interested in the Calendar and Date Related Components and Routines then this subset is probably what you are after. Like the other subsets it includes an impressive range of components and routines in addition to those related to Calendars and Dates.

Data Aware versions are included in this subset.

Note: All Subsets include full source for the units and components that are included.

More Info at:
http://www.esbconsult.com/esbpcs

ESBPCS-Stats™ for VCL

If you are mainly interested in the Statistical, Matrix and Vector related Components and Routines then this subset is probably what you are after. Like the other subsets it includes an impressive range of components and routines in addition to those related to Statistics, Matrices and Vectors.

Data Aware versions are included in this subset.

Note: All Subsets include full source for the units and components that are included.

More Info at:
http://www.esbconsult.com/esbpcs

ESBPCSMathLib for TAdvSpreadGrid

ESBPCSMathLib is a plug-in for **TMS Software's TAdvSpreadGrid** – which is a superb Grid those offers Spreadsheet like functionality. It adds additional Constants and Functions to TAdvSpreadGrid. Plus ESBPCSMathLib is freely available to all users of ESBPCS and TAdvSpreadGrid. It includes full Source .though ESBPCS and TAdvSpreadGrid required to recompile it.

Grab it from:
http://www.esbconsult.com/esbpcs/tmsaddons.htm

TMS Software: http://www.tmssoftware.com/

ESBPCS Edit Links and Inspector Links for TMS Products

ESBPCS Edit Links and Inspector Links allow ESBPCS components to be used in TMS Grids and TMS Inspectors.

Grab them from:
http://www.esbconsult.com/esbpcs/tmsaddons.htm

TMS Software: http://www.tmssoftware.com/

For Microsoft .NET Framework

ESBDecimals ™ for .NET

This is a free subset of the forthcoming ESBPCS for .NET - it includes Microsoft .NET Framework Assembly (v2.0, v3.0, v3.5 and v4.0 included) that have classes that supply Constants and Mathematical Routines for the Decimal Type supplied by the Framework.

- Full C# source is included as well as a Documentation.
- Demos for C#, VB.NET and Embarcadero Delphi Prism included.
- Unit Testing using MSTest is also included.

http://www.esbpcs.net

More .NET Components to come!

More Info:

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