

Free Maple 12 Advanced Programming Guide

Free statistical software

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Free statistical software is a practical alternative to commercial packages. Many of the free to use programs aim to be similar in function to commercial packages, in that they are general statistical packages that perform a variety of statistical analyses. Many other free to use programs were designed specifically for particular functions, like factor analysis, power analysis in sample size calculations, classification and regression trees, or analysis of missing data.

Many of the free to use packages are fairly easy to learn, using menu systems. Many others are command-driven. Still others are meta-packages or statistical computing environments, which allow the user to code completely new statistical procedures. These packages come from a variety of sources, including governments, universities...

Python (programming language)

supports multiple programming paradigms, including structured (particularly procedural), object-oriented and functional programming. Guido van Rossum

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation.

Python is dynamically type-checked and garbage-collected. It supports multiple programming paradigms, including structured (particularly procedural), object-oriented and functional programming.

Guido van Rossum began working on Python in the late 1980s as a successor to the ABC programming language. Python 3.0, released in 2008, was a major revision not completely backward-compatible with earlier versions. Recent versions, such as Python 3.12, have

added capabilities and keywords for typing (and more; e.g. increasing speed); helping with (optional) static typing. Currently only versions in the 3.x series are supported.

Python consistently ranks...

Linear programming

Linear programming is a special case of mathematical programming (also known as mathematical optimization). More formally, linear programming is a technique

Linear programming (LP), also called linear optimization, is a method to achieve the best outcome (such as maximum profit or lowest cost) in a mathematical model whose requirements and objective are represented by linear relationships. Linear programming is a special case of mathematical programming (also known as mathematical optimization).

More formally, linear programming is a technique for the optimization of a linear objective function, subject to linear equality and linear inequality constraints. Its feasible region is a convex polytope, which is a set defined as the intersection of finitely many half spaces, each of which is defined by a linear inequality. Its objective function is a real-valued affine (linear) function defined on this polytope. A linear programming algorithm finds a...

Julia (programming language)

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Julia is a dynamic general-purpose programming language. As a high-level language, distinctive aspects of Julia's design include a type system with parametric polymorphism, the use of multiple dispatch as a core programming paradigm, just-in-time (JIT) compilation and a parallel garbage collection implementation. Notably Julia does not support classes with encapsulated methods but instead relies on the types of all of a function's arguments to determine which method will be called.

By default, Julia is run similarly to scripting languages, using its runtime, and allows for interactions, but Julia programs/source code can also optionally be sent to users in one ready-to-install/run file, which can be made quickly, not needing anything preinstalled.

Julia programs can reuse libraries from other...

SAS (software)

World Programming, finding that "the functionality of a computer program and the programming language cannot be protected by copyright." A free version

SAS (previously "Statistical Analysis System") is data and artificial intelligence software developed by SAS Institute for data management, advanced analytics, multivariate analysis, business intelligence, and predictive analytics.

SAS was developed at North Carolina State University from 1966 until 1976, when SAS Institute was incorporated. SAS was further developed in the 1980s and 1990s with the addition of new statistical procedures, additional components and the introduction of JMP. A point-and-click interface was added in version 9 in 2004. A social media analytics product was added in 2010. SAS Viya, a suite of analytics and artificial intelligence software, was introduced in 2016.

Gary Roberts (ice hockey)

Hockey League (NHL) for the Calgary Flames, Carolina Hurricanes, Toronto Maple Leafs, Florida Panthers, Pittsburgh Penguins, and Tampa Bay Lightning. Renowned

Gary R. Roberts (born May 23, 1966) is a Canadian former professional ice hockey player who played 21 seasons in the National Hockey League (NHL) for the Calgary Flames, Carolina Hurricanes, Toronto Maple Leafs, Florida Panthers, Pittsburgh Penguins, and Tampa Bay Lightning. Renowned for his physical fitness during his career, Roberts has become a high performance trainer for players at all levels of the sport.

Roberts was a member of Memorial Cup and Minto Cup winning teams as Canadian junior hockey and box lacrosse champions, respectively. He was a first round selection of the Calgary Flames, 12th overall, at the 1984 NHL Entry Draft and played ten seasons in Calgary. Roberts was a member of the Flames' 1989 Stanley Cup championship team and made two of his three NHL All-Star Game appearances...

5 (British TV channel) programming

broadcaster, are required to broadcast a wide variety of programming. As opposed to Channel 4, whose programming remit targets the fringes of society and ranges

Channel 5 airs a wide variety of programming that covers various genres and themes, with programmes about farming, trains and royalty being popular.

The channel is notable for its travel and holiday shows, whether presented by comedians such as Susan Calman and Alexander Armstrong or whether they are programmes in a fly-on-the-wall reality format like *Allo Allo! Brits in France* or the *Bargain Loving Brits...* series. The channel has also become associated with a number of people and programmes from Yorkshire with shows including *Jane McDonald*, *The Yorkshire Vet's* *Julian Norton* and shepherdess *Amanda Owen*, (the latter two also contributing to episodes of *This Week on the Farm*, filmed at *Cannon Hall Farm* in South Yorkshire).

Channel 5 is also notable for securing the rights to *Home and Away* in...

Mike Babcock

Babcock named Maple Leafs head coach St. James, Helene (May 20, 2015). "Babcock leaves Red Wings for megacontract with Leafs". Detroit Free Press. Retrieved

Mike Babcock (born April 29, 1963) is a Canadian former ice hockey player and coach. He spent parts of eighteen seasons as a head coach in the National Hockey League (NHL), beginning when he was named head coach of the Mighty Ducks of Anaheim, whom he led to the 2003 Stanley Cup Finals. In 2005, Babcock signed with the Detroit Red Wings, winning the Stanley Cup with them in 2008, and helping them to the Stanley Cup playoffs every year during his tenure and setting a record for most wins in Red Wings history. In 2015, he left Detroit to coach the Toronto Maple Leafs, a position he held until he was fired in 2019. During his coaching tenure from 1991 to 2019, Babcock's teams missed the post-season only four times.

Babcock also gained extensive experience coaching internationally. As of August...

SPSS

accessible via pull-down menus or can be programmed with a proprietary 4GL command syntax language. Command syntax

programming has the benefits of reproducible

SPSS Statistics is a statistical software suite developed by IBM for data management, advanced analytics, multivariate analysis, business intelligence, and criminal investigation. Long produced by SPSS Inc., it was acquired by IBM in 2009. Versions of the software released since 2015 have the brand name IBM SPSS Statistics.

The software name originally stood for Statistical Package for the Social Sciences (SPSS), reflecting the original market, then later changed to Statistical Product and Service Solutions.

James van Riemsdyk

his 200th career NHL goal and the 20,000th goal in Maple Leafs history. Van Riemsdyk became a free agent after the 2017-18 season, and he signed a five-year

James van Riemsdyk (van REEMZ-dighk; born May 4, 1989), often known by his initials JVR, is an American professional ice hockey left winger for the Detroit Red Wings of the National Hockey League (NHL). Between 2012 and 2018, he played in the NHL for the Toronto Maple Leafs, before joining the Philadelphia Flyers until 2023.

Van Riemsdyk was born in Middletown, New Jersey, and played minor ice hockey with local clubs through his childhood. As an adolescent, he left Christian Brothers Academy in New Jersey to move to Ann Arbor, Michigan and play with the USA Hockey National Team Development Program. There, he befriended Patrick Kane, and the pair would go on to be drafted first and second overall in the 2007 NHL Entry Draft. Rather than start playing with the Flyers at once, van Riemsdyk played...

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