

Statistics and Mathematics linkpage

Page from <https://www.jlund.dk>

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General Links, personal pages and associations

- [Home Page of CWI](#)
- [MCMC Preprint Service](#), [MCMC preprint service](#), [Perfectly Random Sampling with Markov Chains](#), [MCMC Java applet](#)
- [Spatial Statistics Preprint Service](#)
- [Spatial Statistics Network](#), [TMR](#)
- [HSSS](#)
- [EURandom](#)
- [MaPhySto](#)
- [Spatial Statistics](#)
- [The International Biometric Society](#)
- [UWA](#), [Adrian Baddeley](#)
- [Charles Geyer](#)
- [Richard Tweedie](#)
- [Alan Sokal](#)
- [Peter Green](#)
- [Chalmers, Department of Mathematics](#)
- [Olle Häggström](#)
- [Geoff Nicholls](#)
- [Frank Dellaert](#)
- [The Home Page of Statistics Research at AT&T Labs](#)

- [John Goutsias](#)
- [Richard Gill](#)
- [The QED Project](#)
- [University of Sydney Mathematics and Statistics](#)
- [Mathematics Information Servers](#)
- [Chris Glasbey](#)
- [Jeff Banfield](#)
- [Wilfrid S. Kendall](#)
- [Elke Thönnies](#)
- [Niels Væver Hartvig](#)
- [The EMS Home Page](#)
- [Statistics Research at Bell Laboratories](#)
- [Allstat](#)
- [CTI Statistics](#)
- [Johan Råde - Home page](#) (has good links)
- [Philip B. Stark, SticiGui](#)
- [Mathematical Reviews' abbreviations](#)
- [Random number generators, RNG library](#) (superseeded by [SPRNG](#), [Old site](#)), [Hardware RNGs](#), [True random number generators](#)
- [The List of Statistics Lists](#)
- [DSTS](#) (Dansk Selskab For Teoretisk Statistik), [Aktuar-foreningen](#), [DES](#) (Danske Epidemiologisk Selskab), [DSBS](#), [DMF](#), [Vacant positions](#), [Matnyt](#), [Matilde](#)
- [Spatial statistics in Dina](#)
- [Statistical Science Web](#)
- [Digital Library of Mathematical Functions](#), [Eric Weissenstein's world of Mathematics](#)
- [Akademisk opgavebank](#)

Journals and other information places

- [Journal Abbreviations](#)
- [Journal Storage](#)
- [Bernoulli](#)
- [SJS](#)
- [International Statistical Review](#)
- [The Royal Danish Academy of Sciences and Letters, Matematiske-Fysiske Meddelelser](#) (Det Kongelige Danske Videnskabernes Selskab, Matematisk Fysiske Meddelelser)
- [Physics web](#), [arXiv.org](#) ([PaperScape](#) visualization), [Research Index/CiteSeer](#), [Spires](#), [Web of Science](#)
- [JStor.org](#)
- [DMF Preprint Server](#) (DMF = Dansk Matematisk Forening.)
- [Danmarks Elektroniske Forskningsbibliotek](#)
- [MIT Open CourseWare Project](#)
- [Eric Weissenstein's world of mathematics](#)

Educational information

- [StatQuest.org](#), [StatQuest YouTube Channel](#)
- [3Blue1Brown](#) animated math, [3Blue1Brown YouTube Channel](#)

Algorithms

- [Numerical Recipes in C; The Art of Scientific Computing, Second Edition, Numerical Recipes](#) new link including "Handbook of Mathematical Functions" by Abramowitz and Stegun, National Bureau of Standards, 1964, (10th corrected printing, 1970)
- [Project Euler](#) is a series of challenging mathematical/computer programming problems.

Bioinformatics, computational biology

- [The International Society for Computational Biology, 9th International Conference on Intelligent Systems for Molecular Biology, ISMB 2001, 10th International Conference on Intelligent Systems for Molecular Biology, ISMB 2002](#)
- [Department of Animal Breeding and Genetics](#)
- [Bioinformatics at Chalmers](#)
- [Center for Biological Sequence Analysis, DTU](#)
- [Computational Biology Group - DAIMI, Bioinformatics and Molecular evolution group at the University of Aarhus](#)
- [KU/Biotek](#)
- [Etisk råd](#)
- [The Human Genome Project](#)
- [HapMap \(Human Genes\)](#)
- [Global Biodiversity Information Facility](#)
- [Bioinformatics.org](#)
- [Biotik.dk \(biotek?\)](#)
- [BioNetOnline.org](#)
- [Nature dna50](#)
- [PAL: Phylogenetic Analysis Library](#)
- [Genome Web](#)
- [Medicon Valley Academy, Medicon Valley Capital, Medicon Valley, Forskningscenret](#)
- [BioTech IT Danmark \(has bought Biomedico online newsletter\)](#)
- [Bioinformatics Software Resource \(BISR\)](#)
- [The Open Bioinformatics Foundation, BioPython](#)
- [OpenInformatics.org](#)
- [Bioinformatics Template Library, BTL](#)
- [Distributed Folding Project at Stanford, another distributed folding project.](#)

Financial Mathematics

- [Quantlib at Sourceforge, Quantlib homepage](#) (has Python bindings, see project page at sourceforge)
- [Open Source Risk Engine ORE src](#) based on [Quantlib](#)
- [ISDA/JPM CDS model](#)
- [OpenGamma](#)
- [TA-Lib](#) Technical Analysis Library
- [FpML \(Financial products Markup Language\)](#)
- [The Finicky Financial Trading System](#)
- [Mathfinance.de](#)
- [Mathfinance.com](#)
- [Rebonato.com](#)

- [Wilmott online magazine](#)
- [Black Scholes equations](#)
- [Description of some Exotic Derivatives](#)
- [k-hub finance, k-hub lecture topics](#)
- [DefaultRisk.com](#)
- [Antoon Pelsser](#)
- [Peter Jäckel](#)
- [J.P. Morgan derivatives research](#)
- [Social Sciences Research Network in Finance](#) (with paper database)
- [BangertResearch.com](#)
- [CoSigma](#)
- [OpenTradingSystem.com](#) with various notes
- [QuantCode.com](#)

Statistics and mathematics software

- [NumFOCUS](#) open source scientific computing
- [OpenMath](#)
- [StatLib Index](#), [NetLib](#)
- [R project](#), [CRAN](#), [RStudio](#), [R news](#), [R developer](#), [R bloggers](#), [The R Home Page](#), [CRAN ftp](#), [RWeb](#)
- [The Omega Project for Statistical Computing](#), [Omegahat](#)
- [Rpy](#)
- [Orange](#) data mining tool
- [Gstat](#)
- [Hydra MCMC Java library](#), [Ph.d. thesis describing Hydra](#)
- [Xlisp-Stat](#)
- [New in S](#), [Trellis](#)
- [S-plus](#), [S-plus in Denmark](#)
- [S-plus programs](#), [Oxford](#), [Splancs](#)
- [S-plus Compiler](#), [New S-plus compiler page?](#)
- [Oswald](#)
- [Gestalt system](#)
- [OpenRefine.org](#), a tool to work with messy data
- [SciViews](#)
- [StatUnit](#)
- [Python Data Analysis Servant](#), [GMath](#), [SciPy](#), [Biggles plotting](#), [SymPy](#), [SymPy.org](#)
- [NumPy](#)
- [StatsModels](#) in Python
- [IPython](#) interactive computing based on [Jupyter](#) for the language-agnostic parts, [Jupyter example notebooks](#)
- [Anaconda](#) Python distribution for scientific computing
- [pandas](#) Python Data Analysis Library, [pandas cheat sheet](#)
- [Polars](#) positioned to replace [pandas](#)
- [Sage Algebraic Math System](#), Python based interface
- [Reduce](#) algebraic math
- [Modular toolkit for Data Processing](#) (Python)
- [Julia](#) (language for technical computing)
- [Fiasco](#) (A SPSS clone)
- [IDL Interactive Data Language](#)

- [SAS/Linux](#)
- [XploRe](#)
- [Gnuplot](#)
- [ESS -- Emacs Speaks Statistics](#)
- [Scilab, SciLab New](#)
- [Octave, Octave \(new site\)](#)
- [Maxima Computer Algebra System](#)
- [Gnatlab](#)
- [Rlab](#)
- [Axiom \(computer algebra system\)](#)
- [GSL, Gnu Scientific Library, GNU GSL site](#)
- [Open Optimization Library \(works with GSL\)](#)
- [Eigen KDE linear algebra and vector/matrix library](#)
- [GNU libmatheval](#)
- [Goose](#)
- [The Matrix Template Library](#)
- [Blitz, New Blitz++ page, Object Oriented Numerics, Todd Veldhuizen](#)
- [ROOT, ROOT.cern, Data Analysis Framework](#)
- [Newmat C++ Matrix Library](#)
- [LEDA](#)
- [LApack++, TNT, GAMS --- Guide to Available Mathematical Software](#)
- [Matlab](#)
- [MathTools Page](#)
- [Yacas, MuPad, MuPad.com](#)
- [Automatic Differentiation](#)
- [FFTW \(The best FFT library around!?\)](#)
- [Scythe Statistical C++ Library](#)
- [Mathematic CAS system](#)
- [Oleo, GNU spreadsheet](#)
- [Science and Engineering SIG](#)
- [SEUL/sci](#)
- [Distributed computing projects](#)
- [Unix calculator software, HP calc.org, WP34s, The Museum of HP Calculators, HP Calculator Wiki, HP 15C, Free15c, Andro15c, HP-41, HP-42s, Free42 HP42s emulator, HP calculators, Swiss Micro HP RPN Calculator clones, HP GCC, The Calculator Store \(including calculator reviews and customized HP calculators\), TI calc.org, TI calculators, Old HP and TI Calculators, Pocket Calculator Show](#)
- [NumWorks open graphing calculator](#)
- [High Performance Software Foundation \(HPSF\) announcement](#)

Artificial Intelligence (AI) and Machine Learning (ML)

- [PyTorch, PyTorch C++ API, libtorch build instructions](#)
- [TensorFlow](#)
- [Neograd](#) Deep Learning framework created from scratch with Python and NumPy including automatic differentiation, [Neograd documentation](#)
- [HuggingFace](#) (repository for ML models and datasets)
- [ONNX](#) Open Neural Network Exchange

Large Language Models — LLM

- [LLM Visualization](#)
- [llamafile](#) makes LLMs as one executable file

Quantum computers and related

- [Quanta magazine](#)
- [Quantum journal](#)
- [IBM Quantum Computing](#)
- [Multiverse Computing](#)

Conferences

- [18th Nordic Conference on Mathematical Statistics, June 5-8, 2000, Grimstad, Norway](#)
- [23rd European Meeting of Statisticians](#)

Jobs and organisations

- www.scicomp.dk