

Paper 239-26

Internet and Web Resources for SAS Programmers and Statisticians

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ABSTRACT

The Internet is playing a more and more important role in exchanging information and helping people meet. It is a library, a shopping mall, a mailbox, and a research tool. For SAS programmers and statisticians, the Internet is also an important resource for communicating with the community of SAS users, for accessing various SAS documents, and for getting consulting help. The resources of the Internet and the World Wide Web are already enormous and still expanding. This paper is designed to help SAS programmers and statisticians know what is on the Internet and where it is. It can be kept as a reference guide.

INTRODUCTION

If you do a search with the key word "SAS" on a search engine to find SAS help from the Internet, you may not find the exact topic you are looking for. Instead, you may find hundreds of Web sites that are not related to SAS software, such as Scandinavian Airlines. Whether you are in the startup phase of your SAS career, or have been a statistician for years and need consulting assistance from other experts, or you are interested in the latest conference, you'll find a Web site here that can meet your needs. The Web sites have been divided into several categories to assist you.

CONSULTING**BASSETT CONSULTING SERVICES**

www.bassettconsulting.com

Specializes in developing systems using SAS/AF, SAS/IntrNet, and webAF software. You can find Michael Davis's SAS papers from here.

CALIFORNIA OCCIDENTAL CONSULTANTS

www.caloxy.com/

Provides consulting services in the areas of training, contract programming, statistics, and data processing.

DATA AND ANALYTIC SOLUTIONS

www.DASconsultants.com

Provide professional on-site and off-site data and analytical solutions.

DESTINY CORPORATION

www.destinycorp.com

Provides training and consulting.

HOLLAND NUMERICS LIMITED

www.hollandnumerics.com/SAS_QUESTIONSTM

Specializes in a wide range of PC and mainframe computer services. You can find their SAS papers and ask SAS questions from this site.

INDUSTRIAL SOFTWORKS

<http://industrialsoftworks.com/>

You can get the macro %SAS2PDF from here.

JADE TECH

www.jadetek.com/

Specializes in developing customized computer solutions using the SAS System.

KNOWLTON GROUP, LLC

www.knowltongroup.com

Provides SAS Staffing, Training, and Alliances.

PW CONSULTING

www.pwcons.com/

Specializes in building SAS/AF and Internet based SAS applications. You can find all kinds of SAS tips from their web site.

QUALEX CONSULTING SERVICES

www.qlx.com/

Specializes in consulting exclusively in the use of the SAS system. Their resource center is a good place to visit.

QUAL I.T. SERVICES PTY LTD

www.qual-it.com.au

Focuses on implementing complete decision support and reporting solutions using the SAS System.

RATCLIFFE TECHNICAL SERVICES

www.ratcliffe.demon.co.uk

Is one of the foremost independent SAS consultancies in the UK.

SIERRA INFORMATION SERVICES

www.SierraInformation.com

Focuses on using the SAS System for Information Delivery.

STAT-TECH SERVICES, LLC

www.StatTechServices.com

Specializing in the analysis of clinical trials for pharmaceutical, biopharmaceutical and medical device clients. If you are working in this area, you should visit their web site.

SYSTEMS SEMINAR CONSULTANTS

www.sys-seminar.com/

Specializes in data systems development, decision support and business consultation. You can subscribe to their SAS newsletter and read their papers.

ZURICH BIostatISTICS

www.zbi.net/NewFiles/Presentations.html

Specializes in SAS and XML solutions for pharmaceutical regulatory submissions of clinical studies. If you have some questions regarding the report of clinical trials, come to visit here.

PERSONAL SAS OR STATISTICS PAGES**ALAN J. MILLER'S PAGE**

www.ozemail.com.au/~milleraj/

<http://users.bigpond.net.au/amiller/>

The Fortran 90 web site of Alan J. Miller.

CLARENCE JACKSON'S HOME PAGE

<http://ourworld.compuserve.com/homepages/CJac/>

You can find Clarence Jackson's SAS papers and some useful links here.

COMPUCRAFT'S SAS PAGE

<http://members.aol.com/xlr82sas/utl.html>

A good collection of SAS code.

CREATING PDF DOCUMENTS WITH THE SAS SOFTWARE

www.lex-jansen.demon.nl/seugi/

Lex Jansen gives a good presentation here.

DON STANLEY'S SAS PAGE

www.geocities.com/don_stanley_nz/sastips.htm

Read SAS tips from Don Stanley.

ED CABANERO'S SITE

www.byte-symphony.com/

You can find useful links here.

HOT-DECK IMPUTATION ESTIMATES

www.pstc.brown.edu/papers/wp-1997/97-12ab.html

Read James W. McNally's paper here.

JACK HAMILTON'S SAS PAGE

www.qsl.net/kd6ttl/sas/

Contains Jack Hamilton's SAS papers.

JOSEPH L. SCHAFER'S PAGE

www.stat.psu.edu/~jls/

If you are interested in multiple imputation, you should visit here.

JUDITH D. SINGER'S HOME PAGE

<http://gseweb.harvard.edu/~faculty/singer/>

Judith Singer is a professor at Harvard University. You can read her papers of statistical models including design and analysis of longitudinal studies, using SAS PROC MIXED, etc. You can also find links to other statistical sites.

LYNN FOSTER-JOHNSON'S HOME PAGE

<http://mba.tuck.dartmouth.edu/pages/faculty/Lynn.Foster-Johnson/>

Lynn Foster-Johnson has some SAS code collections here.

MICHAEL FRIENDLY'S HOME PAGE

www.math.yorku.ca/SCS/friendly.html

Contains tips for SAS/GRAPH. If you are using SAS/GRAPH, you should visit this site to learn from the expert of SAS/GRAPH.

OLIVER SCHABENBERGER' HOME PAGE

www.stat.vt.edu/~oliver/default.html

You can find good SAS papers from Oliver Schabenberger here.

PAUL ALLISON'S HOME PAGE

www.ssc.upenn.edu/~allison/

Here you can find Paul Allison's SAS macros and information about his statistics courses and books.

PAUL JOHNSON'S PAGE

<http://pages.prodigy.net/johnsonp12/homepage.html#Section8>

Some useful biostatistical software routines are here.

PHIL MASON'S SAS PAGE

<http://how.to/usesas>

This page is still under the construction, but since the owner is Phil Mason, it will be a good place to visit.

RAMI ZWICK'S HOME PAGE

<http://home.ust.hk/~mkzwick/zwick.html>

You can download Rami Zwick's papers from here.

SAS FAQ

www.hollandnumerics.co.uk/sasfaq/SASFAQ.HTM

Frequently Asked Questions about SAS Software by Phil Holland.

SAS TIPS AND TRAPS FROM SAS-L

<http://home.att.net/~sas/>

Contains a list of SAS tips and a list of SAS traps from SAS-L archives.

SELECTED RECENT PUBLICATIONS AND INVITED TALKS BY ELDER RESEARCH

www.datamininglab.com/resources.html

John F. Elder provides his papers here.

STEVE GREGORICH'S PAGE

<http://sites.netscape.net/segregorich/index.html>

You can find SAS macros primarily useful for structural equation modeling.

RICHARD A. DEVENEZIA'S HOMEPAGE

www.devenezia.com/

<http://pweb.netcom.com/~radevenz/>

Richard Devenezia maintains a good listing of his SAS macros and his papers. You can also find SAS/AF tips from here.

RICK ASTER'S SAS PROGRAMMING RESOURCES

www.globalstatements.com/

www.rickaster.com/globalstatements/index.html

Besides his well known SAS books, Rick Aster also has this Web Site for you to surf.

TREVOR HASTIE'S HOME PAGE

www-stat.stanford.edu/~hastie/

You can read Professor Trevor Hastie's papers here.

WADE H. VAN BUSKIRK'S HOME PAGE

www.psmfc.org/~wade/

Wade is a Fisheries Programmer/Analyst. You can find his papers and SAS code at this site.

SAS INSTITUTE

www.sas.com

The best place for SAS system is of course the home page of the SAS Institute. You can get all kinds of support from there including technical notes, demo and sample programs, training, SAS publications, etc. Some useful links are:

<ftp://ftp.sas.com/>

FTP server of SAS Institute, you can download sample programs, publications, and technical notes from this FTP archive.

<ftp://ftp.sas.com/techsup/download/technote>

FTP server of technical notes.

www.sas.com/rnd/base/early-access/odsdoc2/sashtml/tw5195/pdfidx.htm

The Complete Guide to the SAS Output Delivery System.

www.sas.com/service/edu/courses/tutorials.html

SAS Software Tutorials for Version 8.

www.sas.com/service/techsup/faq/macro.html

SAS Macro FAQ.

www.sas.com/service/techtips/

Tips from SAS staff.

www.sas.com/usergroups/sugi/intro.html

SAS Users Group International (SUGI).

www.sas.com/usergroups/sugi/proceedings/index.html

SUGI Proceedings Online.

SAS-L

SAS-L is a mailing list devoted to discussions about SAS software. It's very useful for all levels of SAS users. Most of the resources in this paper were collected from SAS-L.

ARCHIVES OF SAS-L@LISTSERV.UGA.EDU

www.listserv.uga.edu/archives/sas-l.html

You can search the SAS-L archive, join the list, and post to the list from this site.

LISTSERV AT UNIVERSITY OF GEORGIA

www.listserv.uga.edu/

You can learn about the web-based LISTSERV from this site.

LISTSERV LOGS FOR SAS-L

<http://vm.marist.edu/htbin/wlvindex?SAS-L>

SAS-L Archives at Marist College.

LISTSERV'S MANUAL AND DOCUMENTATION

www.lsoft.com/manuals/1.8d/user/user.html

General User's Guide to LISTSERV® will help you to learn how to use LISTSERV correctly.

POWER SEARCH FROM DEJA.COM' USENET DISCUSSION SERVICE

http://deja.com/home_ps.shtml

Enter the newsgroup name "comp.soft-sys.sas" as the searching key word, and you can get to the list.

SAS-L INFORMATION

www.basas.com/pages/SAS_L.htm

You can get a brief introduction of some SAS-L commands from this site.

WHAT IS SAS-L?

www.qsl.net/kd6ttl/sas/sas-lov.pdf

Jack Hamilton's paper will give you a good introduction to SAS-L.

SAS MANUAL

<http://v8doc.sas.com/sashtml/>

<http://gsbwww.uchicago.edu/computing/research/SASManual/onldoc.htm>

HTML version of SAS OnlineDoc® (Version 8).

SAS OR STATISTICS PAGES FROM UNIVERSITIES OR INSTITUTE

ARIZONA STATE UNIVERSITY

www.asu.edu/it/fyi/research/helpdocs/statistics/sas/

SAS page of Arizona State University.

CORNELL UNIVERSITY

www.ciser.cornell.edu/computing/online.html

SAS help from Cornell Institute for Social and Economic Research.

NATIONAL INSTITUTES OF HEALTH

<http://statsoft.nih.gov/index.htm>

Statistical Support Section for NIH.

NORTH CAROLINA STATE UNIVERSITY

www.stat.ncsu.edu/sas/ncsu-sas-users.html

Listserv for SAS Users at North Carolina State University.

TEXAS MEDICAL CENTER

http://odin.mdacc.tmc.edu/anonftp/page_2.html

M.D. Anderson Cancer Center Department of Biomathematics Archive.

UNIVERSITY OF CALIFORNIA, LOS ANGELES

www.oac.ucla.edu/training/stat/

Statistical Computing from Academic Technology Services (ATS) (Contains SAS Online Manuals).

www.ats.ucla.edu/stat/sas/

Resources to help you learn and use SAS.

UNIVERSITY OF COLOGNE

www.uni-koeln.de/themen/Statistik/sas/

SAS page of Universität zu Köln (University of Cologne).

UNIVERSITY OF GEORGIA

<ftp://ftp.uga.edu/pub/sas/>

Public SAS download directory of the University of Georgia.

UNIVERSITY OF TEXAS AT AUSTIN

www.utexas.edu/cc/stat/

Statistical Services from ACITS at UT Austin.

UNIVERSITY OF VIRGINIA

<http://hesweb1.med.virginia.edu/biostat/s/index.html>

Statistical Computing Tools from the Division of Biostatistics and Epidemiology Department of Health Evaluation Sciences.

YORK UNIVERSITY

www.yorku.ca/dept/psych/lab/sas/

SAS Information Guides from York University.

STATISTICS RELATED PRODUCTS OR SOFTWARE

DATA CONVERSION TOOLS

<http://home.snafu.de/wehe/apps.html>

Here you can find a collection of links to utilities for the conversion of software data.

DBMS/COPY

www.conceptual.com

Conceptual Software Home Page.

ESS

<http://ess.stat.wisc.edu/>

Emacs Speaks Statistics.

GESTALT SYSTEM

<http://gestalt-system.sourceforge.net/>

Gestalt System project, an Open Source Framework for Data Management, Analysis and Reporting.

INSCHOOL

www.sasinschool.com/

SAS inSchool home page.

JMP

www.jmpdiscovery.com/

JMP statistical discovery software home page.

MACKICHAN

www.tcisoft.com/

MacKichan Software Home Page. Software to write scientific notation.

MATHTYPE

www.mathtype.com/

MathType- a tool for creating mathematical notation.

MATLAB AND SIMULINK

www.mathworks.com/

Mathworks's home page.

MICROSOFT EXCEL 4.0 MACRO FUNCTION

<http://support.microsoft.com/support/kb/articles/Q128/1/85.asp>

Microsoft Excel 4.0-macro function help file download site.

MULTIPLE IMPUTATION

www.stat.psu.edu/~jls/misoftwa.html

Software for multiple imputation.

R

www.r-project.org

The R project for Statistical Computing.

SISA

<http://home.clara.net/sisa/index.htm>

Simple Interactive Statistical Analysis, an online statistical analysis programs and software package.

S-PLUS

www.splus.mathsoft.com/

S-PLUS home page.

SPSS

www.spssscience.com/

www.spss-science.co.uk

SPSS Science.

STATVIEW

www.statview.com/

StatView Software home page.

TEX

www.ctan.org/

The Comprehensive TeX Archive Network.

STATISTICAL SOLUTIONS

www.statsolusa.com

Statistical Solutions Ltd.'s home page.

STAT/TRANSFER

www.stattransfer.com/

Stat/Transfer converts data between statistics programs, databases and worksheets spreadsheets -> SAS, SPSS, Stata, Excel, Access, Gauss, ODBC, Matlab.

WORDSTAT

www.simstat.com

Inexpensive, easy, yet powerful statistical solutions for research and teaching.

STATISTICS RESOURCES**AMERICAN STATISTICAL ASSOCIATION SAN FRANCISCO BAY AREA CHAPTER**

www.sfasa.org/

Useful for Bay Area statisticians.

AMSTAT ONLINE

www.amstat.org/

American Statistical Association home page.

CALCULATORS ON-LINE CENTER

<http://members.aol.com/drelzak/calc.html>

You can find lots of calculators here including statistics.

CLUSTER ANALYSIS

www.pitt.edu/~wpilib/clusfaq.html

From here you can also go to Rich Ulrich's home page and his stat-FAQ.

ELECTRONIC TEXTBOOK OF STATISTICS

www.statsoft.com/textbook/stathome.html

If you don't have a statistics book handy, then come here.

LATENT CLASS ANALYSIS

<http://ourworld.compuserve.com/homepages/jsuebersax/>

This site is intended as a resource for applied researchers and statisticians interested in the theory and methods of latent class analysis.

STATISTICAL PROCESS CONTROL & SPC PRESS

www.spcpress.com/

You can find information about statistical process control from here.

STATISTICIANS IN THE PHARMACEUTICAL INDUSTRY – RESOURCE CENTRE

www.psiweb.org/resources.htm

The title already tells you what the site is about.

RECURSIVE-PARTITIONING

www.recursive-partitioning.com/

Contains links to classification & regression trees and cluster analysis.

TUTORIALS AND TIPS**CO-SAS USER GROUP PAGE**

www.telepath.com/khobson/sas/sas.html

Contains some SAS tips and useful links.

EXCEL 2 SAS AND BACK WEBPAGE

www.stanford.edu/class/gsb/excel2sas.html

Contains all kinds of methods for converting data files between MS Excel and SAS.

EXCEL TO SAS FROM WASHINGTON DC USER GROUP'S HOME PAGE

www.ita.doc.gov/industry/otea/dcsug/excelsas.pdf

Michael Mumma has a good paper for comparing methods.

EXPORT A SAS DATASET TO WORD, EXCEL, OR ASCII FILE

www.qlx.com/exporter.htm

Qualex consulting provides their SAS tool Exporter here.

ODS TIPS FROM PW CONSULTING

www.pwcons.com/Tips/base/ods/

You can learn ODS experience here from PW consulting.

SAS CONSULTANT SPECIAL INTEREST GROUP (CONSIG)

www.sconsig.com/

Charles Patridge maintains a good web site for SAS community.

SAS HELP

www.libname.com

www.sashelp.com

David Ward provides his SAS help to SAS community.

SAS TRAINING FOR CLINICAL TRIALS

www.philau.edu/continuinged/sascert.html

An innovative and intensive program to prepare professionals for challenging, rewarding employment in pharmaceutical companies and clinical research organizations.

SURVIVAL ANALYSIS AND LOGISTIC REGRESSION

<http://hesweb1.med.virginia.edu/biostat/SAS/survrisk.txt>

Frank E Harrell Jr provides some useful SAS macros and data step programs.

%SYSFUNC

www.cyassociates.com/sysfunc.htm

Chris Yindra of C. Y. Training Associates provides his paper for %sysfunc().

TIPS FROM ROHRBOUGH SYSTEMS DESIGN

www.rohrbough-systems.com/code.htm

Working utilities or programs in SAS or MS Office (mostly

Access).

www.rohrbough-systems.com/papers.htm

SAS V6.12 to V8.00 Conversion Issues.

UNIFYPOW

www.bio.ri.ccf.org/power.html

You can find Ralph O'Brien's macro for Sample-Size Analysis.

USAGE NOTES FOR THE \$ZPCODS FORMAT

www.oseda.missouri.edu/mscdc/sasfmats/zipcodes.usgnote

John Blodgett posts a good notes here.

VIEWS

www.views-uk.demon.co.uk/index.htm

The Independent UK SAS User Group provides newsletter for SAS tips and techniques.

USEFUL RESOURCES

AVIATION FORMULARY

www.best.com/~williams/avform.html

Ed Williams provides his paper for pilots (and others) that are interested in great circle navigation.

DATA MINING

www.twocrows.com/booklet.htm

Data Mining Tutorial Booklet.

IBM BOOKMANAGER® BOOKSERVER LIBRARY

www.s390.ibm.com/bookmgr-cgi/bookmgr.cmd/LIBRARY

You can search books from here.

JCL

www.s390.ibm.com/bookmgr-cgi/bookmgr.cmd/BOOKS/IEA1B505/CCONTENTS?SHE

OS/390 V2R6.0 MVS JCL User's Guide.

www.s390.ibm.com/bookmgr-cgi/bookmgr.cmd/BOOKS/IEA1B605/CCONTENTS

OS/390 V2R5.0 MVS JCL Reference.

www.s390.ibm.com/bookmgr-cgi/bookmgr.cmd/BOOKS/IEA1B606/CCONTENTS?SHE

OS/390 V2R6.0 MVS JCL Reference.

www.uga.edu/ucns/hostsys/mvs/ibm-jcl-intro.html

Introduction to JCL objectives.

NUMERICAL RECIPES BOOKS

www.nr.com/nronline_switcher.html

ORACLE FAQ

www.orafaq.org/faq.htm

This site provides useful information on Oracle products to the Oracle community.

PHARMACOKINETIC AND PHARMACODYNAMIC

<http://pkpd.icon.palo-alto.med.va.gov/>

Pharmacokinetics and Pharmacodynamics Software Server at the VA Palo Alto Health Care System.

www.boomer.org/pkin/

Pharmacokinetic and Pharmacodynamic Resources.

www.clinpharmint.com/pks.htm

Practical Pharmacokinetics Download page.

www.usc.edu/hsc/lab_apk/

USC Laboratory of Applied Pharmacokinetics.

SAS PUBLISHING DOCUMENTATION CENTER

www1.fatbrain.com/documentation/sas/home.asp

SAS USERS GROUPS NOT LISTED AT SAS INSTITUTE HOME PAGE

www.qlx.com/sugs.htm

SAS Users Groups from Qualex Consulting Services, Inc.

www.RTPnet.org/~rtsug/

Research Triangle SAS Users Group.

www.synteract.com/sands/

San Diego's SAS User's Group.

SQL

www.geocities.com/SiliconValley/Vista/2207/sql1.html

Introduction to Structured Query Language.

www.geocities.com/TheTropics/Cabana/6696/learn_sql.html

Introduction to Structured Query Language.

THE ART OF COMPUTER PROGRAMMING (TAOCP)

<http://Sunburn.Stanford.EDU/~knuth/taocp.html>

Donald E. Knuth's book online here.

UNIX

www.geek-girl.com/Unixhelp/

UNIXhelp for users.

www.isu.edu/departments/comcom/unix/workshop/unixindex.html

A Basic UNIX Tutorial.

www.oase-shareware.org/shell/

Here you can find useful links about UNIX.

www.softlab.ece.ntua.gr/facilities/documentation/unix/unixintro/intro-8.html#HEADING8-0

Introduction to UNIX.

CONCLUSION

The best way to discover the Internet and World Wide Web is on the Internet and surfing the World Wide Web. Because of the page limit of this paper, a complete listing of resources is kept at www.geocities.com/prochelp. If you have some good resources to share, please inform me. I will keep the listing updated.

REFERENCES

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Other brand or product names are registered trademarks or trademarks of their respective companies.

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