

# UConn Statistical Software Survey Report

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Presented to the SLG Committee  
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This report summarizes the results from the Statistical Software Survey, which was sent to all UConn faculty, staff, and PhD students.

## Purpose of Survey

The Software License Group (SLG) wanted to gather information to determine current and desired statistical software to assess demand among faculty, PhD students, and administrative personnel. The survey listed 30 software packages. See the appendix for the survey.

## Background

On April 7, 2005, Kathie Sorrentino sent an email to the UConn community that read as follows:

This message is sent on behalf of the UConn Software License Group (SLG). The SLG coordinates some of the standard software license purchases for the University (<http://software.uconn.edu/options.html>). The membership is a good representation of most of our schools and departments (<http://software.uconn.edu/coremembership.html>).

One of the initiatives the group is currently undertaking is to gather information to determine current and desired statistical software. If you have an interest, please take a moment to fill out this survey. The results will help the SLG committee assess current licenses and demand among faculty, PhD students, and administrative personnel.

Click on the following URL to take the survey:  
[http://survey.business.uconn.edu/adunbar/stat\\_software\\_survey.htm](http://survey.business.uconn.edu/adunbar/stat_software_survey.htm)

We thank you for your time and interest.  
The Software License Group

## Results

The 403 survey responses were tabulated in September, 2005. The respondents are shown in Table 1: 71 administrative, 214 faculty, and 118 PhD students. Because I do not have access to the population by school, I was unable to determine a response rate. The “by school” analysis shows that 32 percent (127/403) were from Liberal Arts, followed by 17 percent (70/403) Business, 12 percent (47/403) Education, and 10 percent (39/403) Agriculture. “Other” respondents were from groups such as the UConn Foundation, Office for Sponsored Programs, Academic Services, and the Library. It appears that the response rate is low from some schools, including Allied Health, Engineering, and Social Work. A more detailed breakdown of the responses to this question is in an Excel file, which I will provide upon request.

**Table 1  
Respondents by School**

	PhD students			
	Admin	Faculty		
College of Agriculture & Natural Resources	2	26	11	39
School of Allied Health		3		3
School of Business	16	36	18	70
College of Continuing Studies	20	1		21
Neag School of Education	10	26	11	47
School of Engineering	1	2	10	13
School of Family Studies	1	12	3	16
School of Fine Arts				0
Graduate School	1	3	22	26
College of Liberal Arts & Sciences	3	85	39	127
School of Nursing		4	3	7
School of Pharmacy	8	8	1	17
Ratcliffe Hicks School of Agriculture				0
School of Social Work		4		4
Other	9	4		13
	<b>71</b>	<b>214</b>	<b>118</b>	<b>403</b>

Table 2 reports the responses to the first question, which asked “What type of computer(s) do you use at UConn?” The 403 respondents reported 443 systems, of which 92 percent  $((70 + 188 + 112)/403)$  were PCs, 14 percent  $((3 + 33 + 19)/403)$  use Macs, and 4 percent use Linux. Liberal Arts has the 53 percent of Mac users  $(1 + 18 + 10) / (3 + 33 + 19)$ .

**Table 2  
Mac, PC, and Linux Users**

	Admin			Faculty			PhD Students		
	Mac	PC	Linux	Mac	PC	Linux	Mac	PC	Linux
Agriculture		2		4	20	1	3	10	
Allied Health					3				
Business	1	16		3	33	1	1	18	
Continuing Studies		20			1				
Education	1	10		5	22		1	11	
Engineering		1		1	1	1	1	10	3
Family Studies		1			12			3	
Graduate School		1			3		3	22	3
Liberal Arts	1	2		18	74	8	10	34	1
Nursing					4			3	
Pharmacy		8			8			1	
Social Work					4				
Other		9		2	3				
	<b>3</b>	<b>70</b>	<b>0</b>	<b>33</b>	<b>188</b>	<b>11</b>	<b>19</b>	<b>112</b>	<b>7</b>

Table 3 reports the responses to the second question, which asked “Have you used statistical software in the past year?” Of the 403 respondents, 78 percent said yes; thus, this sample has current users of statistical software, which makes their preferences relevant for the determination of what statistical software packages should be supported. Because of the small N in some schools, one should view the school percentages with caution.

**Table 3**  
**Recent Users of Statistical Software**

	Admin	Faculty	Students		
Agriculture	2	15	11	28	<b>72%</b>
Allied Health		3		3	<b>100%</b>
Business	4	28	18	50	<b>71%</b>
Continuing Studies	2	0		2	<b>10%</b>
Education	1	23	11	35	<b>74%</b>
Engineering	0	2	10	12	<b>92%</b>
Family Studies	1	11	3	15	<b>94%</b>
Graduate School	1	3	21	25	<b>96%</b>
Liberal Arts	3	79	37	119	<b>94%</b>
Nursing		4	3	7	<b>100%</b>
Pharmacy	0	7	1	8	<b>47%</b>
Social Work		4		4	<b>100%</b>
Other	5	3		8	<b>62%</b>
	19	182	115	316	
	<b>27%</b>	<b>85%</b>	<b>97%</b>	<b>78%</b>	

Table 4 reports the responses to the second question, which asked “Do you use multiple copies of statistical software in the classroom or a lab (e.g., instructional use)?” Of the 403 respondents, 34 percent use multiple copies of software in a classroom or lab, with 58 percent of the multiple-copy users in Liberal Arts.

**Table 4**  
**Multiple-Copy Users**

	Admin	Faculty	PhD students		
Agriculture	1	9	6	16	<b>41%</b>
Allied Health		1		1	<b>33%</b>
Business	1	6	2	9	<b>13%</b>
Continuing Studies	0	0		0	<b>0%</b>
Education	1	6	4	11	<b>23%</b>
Engineering	1	0	3	4	<b>31%</b>
Family Studies	1	3	2	6	<b>38%</b>
Graduate School	0	1	6	7	<b>27%</b>
Liberal Arts	1	51	22	74	<b>58%</b>
Nursing		2	2	4	<b>57%</b>
Pharmacy	0	1	0	1	<b>6%</b>
Social Work		2		2	<b>50%</b>
Other	3	0		3	<b>23%</b>
	9	82	47	138	
	<b>13%</b>	<b>38%</b>	<b>40%</b>	<b>34%</b>	

**Statistical Software.** Tables 5A, 5B, and 5C reports the responses to question regarding the current and desired use of various statistical software programs, with choices of never, occasionally (OCC) and frequently (FREQ). Table 5A shows the 30 statistical programs in alpha order as displayed in the survey. The “Current Use” column represents the respondents who currently use or do not use the software in question. The “Desired Use” column represents the respondents who would use the software if it were available.

**Table 5A**

	Current Use			Desired Use		
	NEVER	OCC	FREQ	NEVER	OCC	FREQ
<b>AMOS</b>	85%	7%	8%	84%	6%	10%
<b>CPLEX</b>	99%	1%	1%	97%	2%	2%
<b>Crystal Ball</b>	98%	2%		97%	2%	1%
<b>DTREG</b>	100%			100%		
<b>EQS</b>	98%	2%		94%	4%	2%
<b>fs/QCA</b>	100%			100%		
<b>Gauss</b>	99%	1%		95%	3%	2%
<b>HLM</b>	89%	6%	5%	87%	5%	7%
<b>LIMDEP</b>	96%	3%	1%	92%	5%	3%
<b>LISREL</b>	93%	5%	2%	87%	8%	5%
<b>Mathematica</b>	88%	7%	5%	81%	11%	8%
<b>Matlab</b>	84%	8%	8%	81%	8%	11%
<b>Minitab</b>	90%	6%	4%	91%	4%	5%
<b>Mplus</b>	99%	1%	1%	95%	1%	4%
<b>Multilog</b>	99%	0.3%	0.3%	99%	0.3%	0.3%
<b>Nvivo</b>	97%	2%	1%	95%	1%	3%
<b>Parscale</b>	99%	1%	1%	99%	1%	1%
<b>RATS</b>	98%	1%	1%	97%	2%	2%
<b>SAS</b>	61%	17%	21%	57%	16%	26%
<b>SAS Enterprise Miner</b>	98%	2%	1%	94%	4%	2%
<b>Shazam</b>	95%	2%	2%	96%	2%	2%
<b>S-PLUS</b>	94%	4%	2%	91%	6%	3%
<b>SPSS</b>	45%	13%	42%	53%	10%	37%
<b>SPSS Classification- Tree</b>	97%	2%	1%	91%	6%	3%
<b>SPSS Clementine</b>	99%	1%		95%	3%	2%
<b>Stata</b>	91%	4%	5%	86%	5%	9%
<b>Statistica</b>	96%	3%	2%	93%	3%	4%
<b>Testfact</b>	100%			99%	0.3%	0.3%
<b>Transana</b>	100%			100%		
<b>TSP</b>	99%	1%		98%	2%	1%
<b>UCINet</b>	99%		1%	98%	1%	1%
<b>WinBUGS</b>	96%	3%	2%	95%	2%	3%

Table 5B lists the programs in percentage use order, excluding 3 programs with no user and 2 programs with one user. The order changes slightly when ranked on desired use. For example, Mathematica takes over fourth place, moving AMOS to fifth. SPSS leads both rankings with SAS increasing its percentage from 39 percent to 43 percent, while SPSS drops to 47 percent from 55 percent, which implies that cost is preventing some from using SAS instead of SPSS.

**Table 5B**  
**By Software Program: Percentage of Respondents Who Would Use Software**  
Current Use
Desired Use

	OCC	FREQ	TOTAL USE		OCC	FREQ	TOTAL USE
SPSS	13%	42%	55%	SPSS	10%	37%	47%
SAS	17%	21%	39%	SAS	16%	26%	43%
Matlab	8%	8%	16%	Matlab	8%	11%	19%
AMOS	7%	8%	15%	Mathematica	11%	8%	19%
Mathematica	7%	5%	12%	AMOS	6%	10%	16%
HLM	6%	5%	11%	Stata	5%	9%	14%
Minitab	6%	4%	10%	LISREL	8%	5%	13%
Stata	4%	5%	9%	HLM	5%	7%	13%
LISREL	5%	2%	7%	Minitab	4%	5%	9%
S-PLUS	4%	2%	6%	S-PLUS	6%	3%	9%
				SPSS Classification-			
Shazam	2%	2%	5%	Tree	6%	3%	9%
WinBUGS	3%	2%	4%	LIMDEP	5%	3%	8%
Statistica	3%	2%	4%	Statistica	3%	4%	7%
LIMDEP	3%	1%	4%	SAS Enterprise Miner	4%	2%	6%
Nvivo	2%	1%	3%	EQS	4%	2%	6%
SPSS Classification-							
Tree	2%	1%	3%	SPSS Clementine	3%	2%	5%
SAS Enterprise Miner	2%	1%	2%	WinBUGS	2%	3%	5%
Crystal Ball	2%		2%	Gauss	3%	2%	5%
RATS	1%	1%	2%	Mplus	1%	4%	5%
EQS	2%		2%	Nvivo	1%	3%	5%
UCINet		1%	1%	Shazam	2%	2%	4%
TSP	1%		1%	Crystal Ball	2%	1%	3%
CPLEX	1%	1%	1%	RATS	2%	2%	3%
Gauss	1%		1%	CPLEX	2%	2%	3%
Mplus	1%	1%	1%	TSP	2%	1%	2%
Parscale	1%	1%	1%	UCINet	1%	1%	2%
SPSS Clementine	1%		1%	Parscale	1%	1%	1%

Table 5C presents the usage results by school for the first 12 packages, using the “desired use” ranking. The “other” category was eliminated, leaving 12 schools, and reducing N to 390 from 403. Respondents from all 12 schools use SPSS; respondents from 10 of the 12 schools use SAS. The total percentage use for the top three or four schools is in bold. For example, of the 39 Agriculture respondents (see Table 1), 7 would use SPSS occasionally and 8 would use SPSS frequently; thus the total desired use percentage is 38 percent (15/39). The top 3 users of SPSS are Allied Health, Social Work, Nursing, and Family Studies. The top 3 users of SAS are Agriculture, Liberal Arts, and Business.

**Table 5C**

**By School: Percentage of Respondents Who Would Use Software**

	OCC	FREQ	TOTAL	OCC	FREQ	TOTAL	OCC	FREQ	TOTAL
<b>1. SPSS</b>				<b>5. AMOS</b>			<b>9. Minitab</b>		
Agriculture	18%	21%	38%		13%	13%		10%	10%
Allied Health		100%	<b>100%</b>						
Business	11%	24%	36%	6%	10%	16%	9%	3%	<b>11%</b>
Cont Studies		5%	5%						
Education	15%	49%	64%	9%	4%	13%	2%	2%	4%
Engineering	8%		8%				15%	15%	<b>31%</b>
Family Studies	19%	63%	<b>81%</b>	13%		13%	6%		6%
Graduate School	8%	46%	54%	12%	15%	<b>27%</b>	8%		8%
Liberal Arts	7%	47%	54%	7%	16%	<b>23%</b>	3%	7%	10%
Nursing		86%	<b>86%</b>				14%		<b>14%</b>
Pharmacy	6%	18%	24%					6%	6%
Social Work		100%	<b>100%</b>	25%	25%	<b>50%</b>			
<b>2. SAS</b>				<b>6. Stata</b>			<b>10. S-Plus</b>		
Agriculture	10%	46%	<b>56%</b>	5%	5%	10%	8%	3%	<b>10%</b>
Allied Health									
Business	20%	31%	<b>51%</b>	4%	10%	<b>14%</b>	7%	3%	<b>10%</b>
Cont Studies									
Education	11%	11%	21%		2%	2%	2%	2%	4%
Engineering	8%	31%	38%				8%	8%	<b>15%</b>
Family Studies	13%	31%	44%						
Graduate School	12%	31%	42%	4%	8%	<b>12%</b>	4%		4%
Liberal Arts	24%	30%	<b>54%</b>	10%	19%	<b>29%</b>	9%	6%	<b>15%</b>
Nursing	14%	14%	29%						
Pharmacy	12%	18%	29%						
Social Work	25%	25%	50%						
<b>3. Matlab</b>				<b>7. LISREL</b>			<b>11. SPSS Classification-Tree</b>		
Agriculture	5%	10%	15%	5%	3%	8%	5%	5%	10%
Allied Health		33%	<b>33%</b>						
Business	10%	7%	17%	6%	11%	17%	6%	3%	9%
Cont Studies									
Education	6%		6%	6%		6%	9%	6%	<b>15%</b>
Engineering	15%	38%	<b>54%</b>				8%		8%
Family Studies				25%		<b>25%</b>			
Graduate School	12%	19%	<b>31%</b>	4%	4%	8%	4%	4%	8%
Liberal Arts	9%	18%	27%	9%	9%	18%	5%	2%	7%
Nursing	14%		14%	29%		<b>29%</b>	29%		<b>29%</b>
Pharmacy	12%		12%				6%		6%
Social Work				50%		<b>50%</b>	25%	50%	<b>75%</b>
<b>4. Mathematica</b>				<b>8. HLM</b>			<b>12. LIMDEP</b>		
Agriculture	13%	10%	23%	3%	5%	8%		5%	5%
Allied Health									
Business	16%	10%	<b>26%</b>	3%	9%	11%	7%	4%	<b>11%</b>
Cont Studies									
Education	9%		9%	9%	9%	<b>17%</b>		2%	2%
Engineering	23%	38%	<b>62%</b>				8%		<b>8%</b>
Family Studies				6%		6%			
Graduate School	19%		19%	8%	4%	12%	4%		4%
Liberal Arts	11%	12%	<b>23%</b>	7%	11%	<b>18%</b>	9%	6%	<b>14%</b>
Nursing	14%		14%						
Pharmacy									
Social Work				25%	50%	<b>75%</b>			

**Other Statistical Software.** Survey question 5 asked, “What other statistical software have you used in the past year or would like to use in the future?” Survey question 6 asked, “List the software (if any) acquired through UConn's software licensing group (SLG)?” Survey question 7 asked, “What do you see as the greatest statistical software need?”

The comments from seven schools with respect to questions 5 and 7 were summarized: Agriculture, Allied Health, Business, Continuing Studies, Education, Graduate School, and Liberal Arts. Comments from the following schools were not summarized: Engineering, Family Studies, Nursing, Pharmacy, and Social Work. No attempt has been made to analyze the summarized comments. If the SLG decides that more analysis should be done, the Excel file with comments is available upon request.

## Other Software Comments by School

### Allied Health

**Q5** What other statistical software have you used in the past year or would like to use in the future?

**Faculty**

- 1 MedCalc, SampleSize

**Q7** What do you see as the greatest statistical software need?

**Faculty**

- 1 Statistical graphics (eg, forrest plots)

### Continuing Studies

**Q5** What other statistical software have you used in the past year or would like to use in the future?

**Administrative**

- 1 Used BusinesMap, Excel/charts

**Q7** What do you see as the greatest statistical software need?

**Administrative**

- 1 Statistical software is not applicable to my work at this time. Any data review is easily accomplished with Excel.

### Graduate School

**Q5** What other statistical software have you used in the past year or would like to use in the future?

**Faculty**

- 1 MediaLab, Inquisit
- 2 Weibull
- 3 Power and Precision - sample size estimations
- 4 Statview (frequently used)

**Q7** What do you see as the greatest statistical software need?

**Administrative**

- 1 SAS - whole version

**Faculty**

- 1 SPSS, minitab
- 2 Lisrel or MPlus

3 I need graphical and statistical capabilities, and right now MATLAB is the only program I am familiar with that meets these needs.

4 I don't know enough to give you much information. We need easy t-test and population statistic generation, which Excel stat package provides.

5 Having the most up to date versions available for all Grad students- on all of the computers in the labs.

6 Graphical output

7 Inexpensive licensing to allow graduate students to purchase and install at home.

8 SPSS, SAS, and AMOS. Used daily for experimental analyses.

9 Truly multiplatform compatible software (it is tiresome not being able to transport data files or analyses from one computer to the other) that has good graphing features as well as ease of data management. SPSS is

\*horrible\*, licensing problems and incom

10 Programs that can read large amounts of data and perform difficult computations (for example, iterative calculations, numerical solution methods).

11 Cheaper licenses

## Agriculture

### Q5 What other statistical software have you used in the past year or would like to use in the future?

#### Faculty

- 1 SAS on the mainframe
- 2 Atlas-Ti
- 3 Aabel , Instat or anything else that runs under OSX"  
Most of the statistics we do is part of phylogenetic and DNA sequence analyses. At present most of the software is available under GNU open source licence.
- 4 available under GNU open source licence.
- 5 Meta Analysis
- 6 microsoft exel
- 7 Graphpad Instat
- 8 sigmaplot PC-Ord
- 9 Would like to have SysStat Table Curve 3D for surfaces and cure fitting with stats and equations.
- 10 BILOG
- 11 Origin

#### PhD Students

- 1 IDL
- 2 jmp, datadesk
- 3 Sigma plot
- 4 Eviews, JMP
- 5 Systat

### Q7 What do you see as the greatest statistical software need?

#### Faculty

- SAS PC. Also, a good scientific graphing program, such as SigmaPlot, is needed. It is very expensive to buy not on a site license.
- 1 license.
  - 2 the journals in my field frequently use SPSS. Others mentioned are minitab, matlab and winbugs
  - 3 SPSS and AMOS for graduate students. Atlas Ti for qualitative researchers...
  - 4 may who prefer it over NVivo and other qual. programs
  - 5 NONE. THE SLG NEEDS TO DO MORE TO GET THE WORD OUT THAT THEY EXIST. I have no idea what software is currently available through this group, and where I could get this software!"
  - 7 affordable SASPC
  - 8 better graphics
  - 9 Would like to see University site licenses for LIMDEP and/or Stata, much as you currently have for SAS.
  - 10 SAS, SPSS
  - 11 I need Statistica
  - 12 Support and instruction on how to use it more effectively
  - 13 MPLUS
  - 14 Multivariate analyses

#### PhD Students

- up to date macintosh versions of SAS, SPSS and Statistica; as a workaround a unix server that could remotely display to OSX machines via X11 would be handy
- 1 OSX machines via X11 would be handy
  - 2 More access to matlab for graduate student office computers. The current liscening scheme makes it impossible to obtain.
  - 3 PC SAS, and SPSS  
I am not sure if either the SLG or the UITS can facilitate this, but I think apart from providing the required softwares, there is a need for training of users in some econometric / statistical packages. Such training will, in fact, encourage greater use
  - 4 SAS  
something user friendly, without the need for programming knowledge, drop down menu setup with copy/paste functionality for data transfer. I'd especially like to see programs that would run on Mac OSX
  - 6 stata, sas, matlab
  - 7

## Business

### Q5 What other statistical software have you used in the past year or would like to use in the future?

#### Administrative

- 1 Eventus 7.0

#### Faculty

- 1 I use @risk frequently
- 2 Various stand alone power analysis programs
- 3 Jump (an SAS derivative)
- 4 Premium Solver (Frontline Systems)
- 5 Eviews
- 6 Jumps
- 7 Jumps

#### PhD Students

- 1 In the absence of any software available at free of cost, I use opensources software
- 2 PLSplus
- 3 Past: gretl

### Q7 What do you see as the greatest statistical software need?

#### Administrative

- 1 Stata
  - 2 SPSS
- 

#### Faculty

- 1 software for PhD students
- 2 Support

I own all 3 of the programs listed above, rather old versions but I have grown comfortable with them. I don't have big stat needs. The "never" in column 2 above arise mostly from ignorance: I am not familiar with many of the programs and have no clue if I

- 3 of the programs and have no clue if I
- 4 Unsure at this time.
- 5 one-time purchasing agreement -- avoidance of annual per-person or per-machine fees
- 6 On-line survey software
- 7 good statistical software for phd students
- 8 SAS
- 9 Ease of use by students (user friendly), integration with databases, 24 hour help line.
- 10 agreement to use at school and home
- 11 SAS and Matlab
- 12 Some of the listed software is not truly statistical (eg CPLEX), but I think it is important to teach.

#### PhD Students

- 1 lower cost access to SAS
- 2 software, plus in-house training  
perhaps information distribution on which packages SLG has available ... I just learned that Minitab was available.
- 3 available.
- 4 Greater access to software
- 5 SAS, CIPLEX
- 6 Software for multilevel modeling e.g. HLM, Mplus
- 7 SAS
- 8 stata and sas

I am happy with statistical software. What I need now are financial databases where these softwares can be put to use.

- 9 put to use.
- 10 Sorry, I am basically an SPSS user and a very occasional structural modeler (AMOS, LISREL).

5 **Liberal Arts**

**Q5 What other statistical software have you used in the past year or would like to use in the future?**

**Faculty**

- 1 E-Views, CATS (a companion package to RATS)
- 2 PRIMER, CANONCO
- 3 SPSS Text Analysis module; MetaAnalysis
- 4 SYSTAT
- 5 Systat
- 6 Systat
- 7 IMSL (Lahey), Maple (Waterloo Maple, Inc)
- 8 Stata SE, HLM, SPSS, Amos, LISREL, EQS, LIMDEP
- 9 MLWin, WinSOREMO
- 10 Eviews
- 11 SYSTAT, Oriana, Metaanalysis
- 12 StatTransfer
- 13 Statview
- 14 nQuery
- 15 I use Axum 6.0 for creating graphs for publications and presentations. I understand that this program has been incorporated into MathCad from mathsoft.com So, I would definitely be interested in a program to create publications quality data graphs. Perh
- 16 MathCad
- 17 Maple
- 18 Psych's site license for Matlab doesn't include the statistical toolbox, which I'd use on occasion. Also, I've used Excel for simple stats.
- 19 SUDAAN; SPSS Missing Values
- 20 Mathematica, MatLab
- 21 While it is not technically statistical software, having access to Stat Transfer would be very valuable for moving large datasets between the statistical programs I use.
- 22 My needs are unusual and (mostly) well satisfied with free (WinBUGS) or open source (OpenBUGS, R) software. SAS is more widely used than S-Plus or R in my field, and for standard designed experiments, it somewhat easier to use. Ensuring easy availability
- 23 DSTAT for meta-analysis; Excel for specialized analyses.
- 24 MIXREG, MIXOR
- 25 MLwiN
- 26 R and S-plus for statistical programs and STAT/TRANSFER for file transformation.
- 27 SigmaPlot (statistical graphics software)
- 28 The Psyc Dept needs EndNote at both Storrs and the Regional campuses.
- 29 We do use R (free download and open license)
- 30 SYSTAT, Graphpad Prism, Sigmaplot
- 31 Stata
- 32 statview
- 33 Microsoft Excel
- 34 JMP from SAS
- 35 DEAP, Frontier
- 36 Spatial analysis software, which is sometimes embedded in geographic information systems (GIS) software.
- 37 Statview
- 38 SigmaStat (by Systat); VassarStats; UNIX|stat
- 39 SysStat; SigmaStat; SigmaPlot
- 40 I do microeconometrics so between GAUSS, MATLAB and STATA I can do pretty much everything I want. I strongly urge that we get
- 41 GAUSS. I have a pretty old personal copy and it would be nice for me and for the grad students in Economics to have the latest ve
- 42 BMDP
- 43 I still use GLIM from time to time, but I don't know if it's even sold anymore. At one time, I used LISREL and EQS, but SAS PROC
- 44 Calis is enough for me now. I expect to make more use of STATA and R/S+ in the future.
- 45 Used:ESRI - ArcGIS desktop 9.0, Like to use: PSI - EnvironmentalStats for S-PLUS Insightful - S-PLUS
- 46 IMSL, Octave

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**PhD Students**

- 1 Systat
- 2 Brodgar
- 3 Sigma-Stat
- 4 Systat, UCINet, CrackPlot
- 5 Stat Transfer
- 6 SigmaPlot, SYSTAT
- 7 Eviews
- 8 JMP & R
- 9 SYSTAT, SIGMAplot
- 10 MrBayes, WINCLADA
- 11 Systat
- 12 E-listen, Dreamweaver
- 13 Systat
- 14 EViews FREQUENTLY
- 15 Mr. Bayes
- 16 SPSS Tables

- 17 R is open-source and nearly the same as S-PLUS  
18 sigma plot, systat 11"

## Liberal Arts (cont'd)

### Q7 What do you see as the greatest statistical software need?

#### Faculty

- 1 A dedicated statistical package that is used mostly for analysis of time series data, such as RATS, TSP, or E-views.  
2 thank you for organizing this survey  
3 Readily available access to software for (a) general statistics; (b) structural equation modelling; (c) hierarchical linear modelling  
4 continued access to SAS  
5 a general package that does not have yearly licensing fees. The fees make many otherwise useful packages prohibitive.  
6 A user-friendly program like Systat would be nice. (I admit that I do not even recognize a number of the programs in your list  
7 above...maybe some are very user friendly.)  
8 Systat is very similar to SPSS but involves much less hassle.  
9 WinBUGS is a free software right now.  
10 Can we purchase/install Stata 9 SE on campus, in the department, and in my office PC? Stata 9 will be released on April 27 this  
11 year.  
12 SAS, SPSS, AMOS, HLM  
13 This just shouldn't be a survey to find what we need but there are certain software packages that are needed to perform specific  
14 types of analyses. The SLG should make sure that we not only have what most people need but also have software that can perform  
15 A site license for GAUSS would be helpful both for our graduate instructional program and my personal research. The same could be  
16 said of STATA. Keeping SAS is important.  
17 My needs are met well currently.  
18 I am all set using the programs specified above  
19 site license for STATA! site license for Linux SAS would be nice too.  
20 We hope you plan to continue site license services so that we can afford to purchase multiple copies for our research lab.  
21 Graphics are essential to conveying information effectively and efficiently. SPSS and SAS are not flexible enough in this domain, so I  
22 have been using AXUM, which Mathsoft no longer markets. I need to look at MATLAB and Mathematica, I guess to see which I  
23 Data fitting to complex mathematical models, graphical presentation.  
24 Space-stat (spatial statistics and econometrics)  
25 Stata  
26 Training!!! Also, I'm a post-doc, not a faculty member. As usual, you forgot post-docs. :(  
27 Need site licenses for general programs such as Gauss and Stata.  
28 University-wide site licenses for Mathematica, SAS, SPSS and LIMDEP.  
29 scoring of continuous data  
30 Although there are only a few of us who need it, Mathematica can be very helpful at times."  
31 I need access to SAS. Right now I use SAS on the mainframe because my office computer is a MAC. Several years ago, I installed  
32 SAS on the PC in the lab, but no one ended up using it. What I need is a version of SAS that runs on my MAC! And what I want  
33 Structural Equation Modeling and Multilevel Modeling  
34 It is essential that the University provides STATA. It is the dominant statistical package in political science and many of the other  
35 social sciences. The fact that our graduate students (and faculty) don't have access to it significantly hinders their  
36 SPSS  
37 Chart Making Software  
38 Stata, LIMDEP  
39 My statistical needs do not represent that of most faculty in my Dept., so this should not be taken to be in any way representative of  
40 Psychology. I think most of my colleagues use SAS and/or SPSS. Some use other packages as well.  
41 SPSS and AMOS. Provided to students as well as faculty  
42 I think that SPSS should be available for less than \$75 a copy. On non-grant years, I can't afford to buy enough copies for my lab.  
43 STATA  
44 STATA 7 SE group licenses  
45 Many of our students will be entering careers where they will need at times to undertake elementary statistical analyses. It would be  
46 good if we graduated students who are statistically literate, and today that means graduating students who can, among of  
47 Stata  
48 Analysis of variance/Regression. Simulations of dynamical systems and neural networks  
49 One need is for a flexible & user-friendly graphing program. Perhaps such a program is currently available?  
50 I would advocate getting Stata. SPSS does not implement a number of things that I think of as basic, and the interface and graphics  
51 are not as flexible. I find trying to teach with SPSS much more difficult than stata, and am hearing more and more people  
52 I teach SPSS for PSY 202Q. Need additional copies for laboratory PCs, but also would be interested in some deal for student copies.  
53 The logistics of coming to UCONN Stamford just for stat work really boggles my commuters. Copies for home would be ideal. C  
54 ease of availability--I don't like to have to go to the Depot Campus to get software!!!  
55 Personally, both in my research and in my classroom teaching, I emphasize methods appropriate to small-sample studies and N=1  
56 case-studies: Fisher Exact Test, Binomial Test, correlation and partial correlation. Somewhat less often I have recourse to (rep  
57 I'd like to see internal support and courses in the use of the R programming language for statistical analysis.  
58 GAUSS and STATA: very important for economists (both faculty and students)  
59 HLM  
60 At this point, things are OK for my purposes.

#### PhD Students

- 1 SPSS and STATA for all Political Science Graduate Students.  
2 SAS, SAS, SAS  
3 Instruction on how to use them...  
4 AMOS  
5 eqs, amos, M-Plus  
6 SPSS and maybe SAS

- 7 Stata needs to be made affordable for students.
- 8 Access for graduate students to inexpensive software licenses - for example, I need SAS for a class and it is \$200 + \$75/year for a license. Luckily my dept has licenses I can use, but I often need it on my own computer and I use up a lot of time due to n
- 9 Stata on all or most university computers
- 10 SPSS, SAS
- 11 ability to purchase affordable licenses to use software at home (where I do most of my work)
- 12 Analysis of variance & circular statistics
- 13 More graphing software packages
- 14 make statistical software more available in public computer labs
- 15 In Public Health and Anthropology, SPSS seems to be the most used software
- 16 SPSS
- 17 Variety in general statistical and graph making software
- 18 Spss licenses, I had to use pirated copies this year
- 19 it would be nice if we could put site liscenced stuff on our personal computers
- 20 SAS
- 21 The University should become a fully licensed STATA user. Too it might be helpful (and it does not cost anything) to install R on the machines around campus.
- 22 AFFORDABLE, current (up-to-date) statistical software with programming capability, packages designed for use with bayesian as well as frequentist statistics- and sigma plot for graphical interface with systat.

## Education

### Q5 What other statistical software have you used in the past year or would like to use in the future?

#### Faculty

- 1 NQuery Advisor or other power analysis software MIWin
- 2 DataDesk, ArcView
- 3 Some of my doctoral students have used LISREL but I have not.
- 4 Sigma Plot is excellent for our needs in physiology
- 5 I haven't used any other statistical software this year.
- 6 none
- 7 Log file analysis with Pathfinder
- 8 Systat

#### PhD Students

- 1 SigmaPlot
- 2 BilogMG, GPOWER, nQuery, WinLTA (latent trait analysis)

### Q7 What do you see as the greatest statistical software need?

#### Administrative

- 1 DNK
- 2 SPSS AND SAS

#### Faculty

- 1 SPSS
- 2 UConn offers a wide variety of popular software. The only other software I would like to use would be DataDesk.
- 3 Personally, I do large data base text analysis (10,000 plus documents). Currently there are no software packages that do BOTH of the following: (1) store, code, search + sort this data at the document level and (2) provide easy close text analysis at the
- 4 SPSS & NVivo
- 5 access to programs by faculty and students anywhere, anytime
- 6 Updated versions of SPSS for all faculty
- 7 Sigma Plot
- 8 I would defer to others on this question since I haven't used statistical software much this year.
- 9 basic group difference testing
- 10 My needs for statistical software are minimal at this point. The SPSS and SAS use are connected with those PhD students whom I still work with in my retired faculty capacity. I don't really have anything to offer in answer to this question.
- 11 Data Analysis
- 12 I need Statistica

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#### PhD Students

- 1 Providing faculty & grad students with licenses for statistical software use on their personal computers
- 2 A program on or accessable every computer
- 3 SAS & SPSS (SPSS \_badly\_ needs much better on-line help!)
- 4 I'm not sure what this question means. I need access to the most recent copies of SPSS, HLM, and SAS in that order. I may also have a need for Parscale, depending on the work I will do in the future.

## APPENDIX

### University of Connecticut Statistical Software Survey

The purpose of this survey is to gather information to determine current and desired statistical software to help the SLG committee assess demand among faculty, PhD students, and administrative personnel.

Name ( <i>required</i> )		<input style="width: 100%;" type="text"/>	
E-mail ( <i>required</i> )		<input style="width: 100%;" type="text"/>	
Select your school	College of Agriculture & Natural Resources ▼	Department	<input style="width: 100%;" type="text"/>
Classification	Faculty ▼		

#### Software Questions

1. What type of computer(s) do you use at UConn?		<input type="checkbox"/> Mac <input type="checkbox"/> PC <input type="checkbox"/> Linux	
2. Have you used statistical software in the last two years?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
3. Do you use multiple copies of statistical software in the classroom or a lab (e.g., instructional use)?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
4. a. In the past year, how often have you used the following software?		b. If readily available to you, how often would you use the following software?	
<a href="#">AMOS</a>	never ▼	AMOS	never ▼
<a href="#">CPLEX</a>	never ▼	CPLEX	never ▼
<a href="#">Crystal Ball</a>	never ▼	Crystal Ball	never ▼
<a href="#">DTREG</a>	never ▼	DTREG	never ▼
<a href="#">EQS</a>	never ▼	EQS	never ▼
<a href="#">fs/QCA</a>	never ▼	fs/QCA	never ▼
<a href="#">GAUSS</a>	never ▼	GAUSS	never ▼
<a href="#">HLM</a>	never ▼	HLM	never ▼
<a href="#">LIMDEP</a>	never ▼	LIMDEP	never ▼
<a href="#">LISREL</a>	never ▼	LISREL	never ▼
<a href="#">Mathematica</a>	never ▼	Mathematica	never ▼
<a href="#">Matlab</a>	never ▼	Matlab	never ▼
<a href="#">Minitab</a>	never ▼	Minitab	never ▼
<a href="#">MPlus</a>	never ▼	MPlus	never ▼
<a href="#">Multilog</a>	never ▼	Multilog	never ▼
<a href="#">NVivo</a>	never ▼	NVivo	never ▼
<a href="#">PARSCALE</a>	never ▼	PARSCALE	never ▼

<a href="#">RATS</a>	never <input type="button" value="v"/>	RATS	never <input type="button" value="v"/>
<a href="#">SAS</a>	never <input type="button" value="v"/>	SAS	never <input type="button" value="v"/>
<a href="#">SAS Enterprise Miner</a>	never <input type="button" value="v"/>	SAS Enterprise Miner	never <input type="button" value="v"/>
<a href="#">Shazam</a>	never <input type="button" value="v"/>	Shazam	never <input type="button" value="v"/>
<a href="#">S-PLUS</a>	never <input type="button" value="v"/>	S-PLUS	never <input type="button" value="v"/>
<a href="#">SPSS</a>	never <input type="button" value="v"/>	SPSS	never <input type="button" value="v"/>
<a href="#">SPSS Classification-Tree</a>	never <input type="button" value="v"/>	SPSS Classification Tree	never <input type="button" value="v"/>
<a href="#">SPSS Clementine</a>	never <input type="button" value="v"/>	SPSS Clementine	never <input type="button" value="v"/>
<a href="#">Stata</a>	never <input type="button" value="v"/>	Stata	never <input type="button" value="v"/>
<a href="#">Statistica</a>	never <input type="button" value="v"/>	Statistica	never <input type="button" value="v"/>
<a href="#">Testfact</a>	never <input type="button" value="v"/>	Testfact	never <input type="button" value="v"/>
<a href="#">Transana</a>	never <input type="button" value="v"/>	Transana	never <input type="button" value="v"/>
<a href="#">TSP</a>	never <input type="button" value="v"/>	TSP	never <input type="button" value="v"/>
<a href="#">UCINet</a>	never <input type="button" value="v"/>	UCINet	never <input type="button" value="v"/>
<a href="#">WinBUGS</a>	never <input type="button" value="v"/>	WinBUGS	never <input type="button" value="v"/>

5. What other statistical software have you used in the past year or would like to use in the future? (See partial [list](#) of statistical software providers; undoubtedly there are others.)

6. List the software (if any) acquired through UConn's software licensing group (SLG)?

**General Comments**

7. What do you see as the greatest statistical software need?

Once you press submit, you will not be able to change the responses.

THANKS FOR HELPING THE SLG COMMITTEE!