

Top training priorities

(Respondents gave up to 3 priorities and those listed 5 times or more are included)

Priority	Number of respondents listing as priority
1 Basic statistics / overview	29
2 Multilevel modelling	26
3 Regression and correlation	24
4 SPSS	22
5 Longitudinal analysis	16
6= Structural equation modelling	15
6= GIS / Geographically weighted regression	15
8 Advanced regression (logistic, ordinal, etc)	12
9 Time series analysis	11
10= Cluster analysis	8
10= Stata	8
12= Panel analysis	7
12= Bayesian methods	7
14= Factor analysis	6
14= Overveiw of advanced methods	6
14= R	6
14= Logistic regression	6
14= Factor analysis	6
14= Mixed methods	6
20 Event history analysis	5

Descriptive quantitative analysis

	Number requiring training	Percentage of respondents at each level (of those requiring training)				
		Advanced	Intermediate	Beginner	Non user	Not given
Frequencies, cross-tabulation, means etc	55	.	42	22	18	18
Comparing frequencies or means	53	.	42	23	15	21
Graphical output (eg bar-charts, histograms, pie-charts etc)	46	4	33	26	17	20
Transforming data distributions (eg log, quadratic)	74	.	12	28	34	26
Indices of inequality (eg GINI index)	84	.	8	20	44	27
Measures of association (eg correlation)	71	1	27	30	23	20

Regression analysis

	Number requiring training	Percentage of respondents at each level (of those requiring training)				
		Advanced	Intermediate	Beginner	Non user	Not given
Simple/multiple linear	91	3	19	36	23	19
Log-linear	100	2	8	29	39	22
Logistic/ordinal/multinomial	108	3	15	31	27	24
Other (eg poisson, negative binomial)	109	1	10	21	41	27

Longitudinal analysis

	Number requiring training	Percentage of respondents at each level (of those requiring training)				
		Advanced	Intermediate	Beginner	Non user	Not given
Event history analysis	107	.	6	20	47	28
Times series analysis	121	1	14	24	35	26
Trajectory modelling	98	.	4	17	51	28
Other longitudinal analysis	107	1	8	19	41	31

Grouping analysis

	Number requiring training	Percentage of respondents at each level (of those requiring training)				
		Advanced	Intermediate	Beginner	Non user	Not given
Principal components/factor analysis	114	1	18	27	35	19
Cluster/classification analysis	118	1	8	24	44	23
Latent class analysis	108	.	4	18	52	27
Multi-dimensional scaling	113	.	7	19	50	25

Other complex analysis methods

	Number requiring training	Percentage of respondents at each level (of those requiring training)				
		Advanced	Intermediate	Beginner	Non user	Not given
Probability, set theory, matrix algebra	68	1	9	18	44	28
Multi-level modelling	104	.	9	23	41	27
Structural equation modelling	93	.	4	22	46	28
Spatial analysis/modelling	79	.	6	19	47	28
Geographically weighted regression	68	.	1	15	56	28
Simulation and risk analysis	78	.	5	18	45	32
Missing value analysis/imputation	87	1	11	25	36	26
Content analysis (eg NVivo)	76	.	12	26	38	24

Software packages

	Number requiring training	Percentage of respondents at each level (of those requiring training)				
		Advanced	Intermediate	Beginner	Non user	Not given
SPSS	73	3	40	34	11	12
Stata	54	4	9	20	48	19
SAS	25	.	8	12	56	24
R/S/SPlus	40	.	8	13	60	20
Minitab	22	.	14	14	41	32
GAUSS	13	.	.	.	69	31
Amos	31	.	10	26	42	23
Lisrel	24	.	4	13	54	29
MPlus	14	.	.	.	50	50
LatentGold	15	.	.	.	73	27
MLWin	24	.	8	25	38	29
ARC/gis	22	.	18	27	36	18
BUGS (OpenBUGS WinBUGS etc)	15	.	.	20	53	27

How likely to participate in different types of training

	Very likely	Quite likely	Not likely	Total replies
Taught courses with hands-on training	123	45	10	178
Presentations by experts, but no hands-on training	48	75	52	175
On-line training	80	64	32	176
Training by video link	33	59	80	172
Step by step examples on the website	91	64	21	176

How likely would you be to attend face-to-face training events in ...?

	Very likely	Quite likely	Not likely	Total replies
Aberdeen	28	26	101	155
Dundee	31	41	83	155
Edinburgh	70	62	31	163
Glasgow	101	45	26	172
St Andrews	24	46	85	155
Stirling	44	57	56	157
Elsewhere in Scotland	16	21	65	102

Preferred location for face to face training

	N	%
Aberdeen	20	12
Dundee	13	8
Edinburgh	35	20
Glasgow	85	49
St Andrews	9	5
Stirling	3	2
Elsewhere in Scotland	7	4
Total responding	172	100

Preferred duration for face to face training

	N	%
Half day	35	20
1 day	98	57
2 days	27	16
3 days	9	5
5 days	3	2
Total responding	172	100

Are there any datasets on which you would like specific training?

	N	%
No	111	74
Yes	39	26
Total responding	150	100

Other methods where respondents want training
Note only a small number of respondents answered this question

Method	Level of expertise
Agent-based modelling	Intermediate
Analysis of time series cross sectional data	Intermediate
Computer simulation	Intermediate
Dealing with interactive groups i.e. with nonindependent data sets	Beginner
Discrete Event Simulation	.
Extracting text data from social survey questionnaires	Beginner
Fixed-effect	Intermediate
I wish there will be an advanced course on computable genral model. my level now	Intermediate
Mixed models	Beginner
Mixed random and fixed effects panel models (can never know enough - so training	Intermediate
Monte Carlo Simulation	.
Network simulation and analysis	Beginner
Panel data sets (i.e time-series cross-sectional data)	Intermediate
Power and effect size	Intermediate
Probit	Intermediate
Q sort	Intermediate
Random-effect	Intermediate
Rank Regression	Beginner
SPSS	Beginner
SPSS	.
SPSS Answer Tree	Intermediate
STATED PREFERENCE (CONJOINT ANALYSIS)	Intermediate
Simultaneous equations modeling	Intermediate
Smallest Space Analysis	Advanced
Survival analysis	Beginner
Tobit	Intermediate
anovas	.
bivariate analysis	.
causal modelling (outside economics) and design: eg instrumental variables, prop	Intermediate
cross-recurrence analysis	Intermediate
factor analsis	.
indices of attitudinal diversity	Beginner
life course epidemiology	.
mapping of political attitudes (GIS)	Beginner
mixed methods for longitudinal analysis	Beginner

Other methods where respondents want training
Note only a small number of respondents answered this question

Method	Level of expertise
panel estimation methods and problems	.
this is a software package: Excel VBA	Beginner