

### ***Top training priorities***

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

<b>Priority</b>	<b>Number of respondents listing as priority</b>
1 Basic statistics / overview	29
2 Multilevel modelling	26
3 Regression and correlation	24
4 SPSS	22
5 Factor analysis	17
6 Longitudinal analysis	16
7= Structural equation modelling	15
7= GIS / Geographically weighted regression	15
9 Advanced regression (logistic, ordinal, etc)	12
10 Time series analysis	11
11= Cluster analysis	8
11= Stata	8
13= Panel analysis	7
13= Bayesian methods	7
15 Overveiw of advanced methods	6
15= R	6
15= Logistic regression	6
15= Factor analysis	6
15= 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
<b>Taught courses with hands-on training</b>	123	45	10	178
<b>Presentations by experts, but no hands-on training</b>	48	75	52	175
<b>On-line training</b>	80	64	32	176
<b>Training by video link</b>	33	59	80	172
<b>Step by step examples on the website</b>	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
<b>Aberdeen</b>	28	26	101	155
<b>Dundee</b>	31	41	83	155
<b>Edinburgh</b>	70	62	31	163
<b>Glasgow</b>	101	45	26	172
<b>St Andrews</b>	24	46	85	155
<b>Stirling</b>	44	57	56	157
<b>Elsewhere in Scotland</b>	16	21	65	102

***Preferred location for face to face training***

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

***Preferred duration for face to face training***

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

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

	N	%
No	111	74
Yes	39	26
<b>Total responding</b>	150	100

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

<b>Method</b>	<b>Level of expertise</b>
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***

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