

MLwiN Command Dictionary

Understanding commands

ADDT	add an explanatory variable	S
BATCh	iterate till convergence or stop after 1 iteration	C,S
CALC	calculate	C
CENT	specify centring used or not for explanatory variables	S
CLEAR	erase model set up in Equations window	C
CODE	create a repeating sequence	C
DOFFs	specify variable to use for denominator or offsets	S
ECHO	display output from commands in macros or not	C
EDIT	change value in individual cell(s) of column	C
ENDLoop	marks end of loop in a macro	C
ERASe	delete contents of column	C
ESTM	like Estimates button in Equations window	S
EXPA	like + and - buttons in Equations window	S
FPATh	generated by MLwiN at start of session	C
GALLfilter	generated by MLwiN at start of session	C
GENERate	create a sequence	C
GIND	specify graph display number and dataset number	C
GTAB	specify graph trellis (also called by MLwiN when redrawing graph)	C
GTYP	specify plot type	C
GXCO	specify x variable for graph	C
GYCO	specify y variable for graph	C
IDEN	specify level identifier variable	C
INDE	show single or multiple subscripts in Equations window	S
JOIN	join columns, boxes or values into one column	C
LFUN	specify link function for discrete response model	S
LIKE	calculate likelihood (during model fitting)	C
LINEa	like Nonlinear button in Equations window	S
LOOP	mark start of a loop in a macro	C
MAXIt	specify maximum number of iterations when running model	C
MCMC	run model using MCMC	C
MCOMp	display model comparison table	S
MONI	issued during estimation	C
MSTOre	store model in model comparison table	S
MWIPe	erase all models from model comparison table	S
NAME	rename a column	C
NEXT	like More button at top of MLwiN	C,S
NMVA	like Name button in Equations window	S
NOTAtion	simple or general notation in Equations window	S
NRANdOm	generate Normal random variable	C
OBEY	perform the commands in a specified macro	C
OFFSetS	issued during estimation	C
PAUSe	pause macro & return control to user	C
PICK	capture value from particular cell of column	C
POSTfile	generated by MLwiN at start of session	C
PREFile	generated by MLwiN at start of session	C
PRINt	display value stored in a box	C
PRIOr	generated by MLwiN at start of session	C
PUT	create a constant vector	C
RDISt	specify distribution of response	S
RESP	specify the response variable	C
RSPSs	open SPSS worksheet	S
RSTAta	open Stata worksheet	S
SETV	add a random effect	C
SORT	sort (some) columns according to values in others	C
STARt	run model using (R)IGLS	S
SWITCh	conditional statement in macro	C
TRACk	generated by MLwiN at start of session	C
WSET	refresh windows	S
ZRET	open .wsz worksheet	S
ZSAV	save as .wsz worksheet	S

S = best documentation in Manual Supplement for v2.10 <http://www.cmm.bristol.ac.uk/MLwiN/download/manuals.shtml>;
C = best documentation in Command Manual <http://www.cmm.bristol.ac.uk/MLwiN/download/manuals.shtml>;

MLwiN Command Dictionary

Using commands

Model specification			Discrete response models		
Delete model	CLEAR	C	Response distribution	RDIS	S
Specify response	RESP	C	Create multinomial response	MNOM	C
Specify level IDs	IDEN	C	Link function	LFUN	S
Add covariate	ADDT	S	Denominator	DOFFs	S
Centre covariate	CENT	S	Offsets	DOFFs	S
Add random effect	SETV	C	MQL/PQL setting	LINE	S
			Common coefficients	RPAT	C

Equations window			Running models		
Button	Command		Iterate till convergence	BATCH	C,S
Name	NMVA	S	Max number iterations	MAXI	C
+	EXPA	S	Run using (R)IGLS	START	S
-	EXPA	S	More	NEXT	C,S
Add Term	ADDT	S	Run using MCMC	MCMC	C
Estimates	ESTM	S			
Nonlinear	LINE	S			
Clear	CLEAR	C			
Notation	{NOTA	S			
	{INDE	S			
Responses	MVAR	C			
Store	MSTO	S			

Storing models		
Store model	MSTO	S
Compare models	MCOMp	S
Erase some models	MERA	S
Erase all models	MWIPe	S

Models

Macros		
Call macro	OBEY	C
Display output of commands in macros	ECHO	C
Pause macro & return control to user	PAUSE	C
Comment (ignore line)	NOTE	C
Create loop of commands	LOOP and ENDLooP	C
Conditional statements	SWITCh, CASE and LEAVE	C
Display value stored in a box	PRINT	C

Macros

Editing data			Creating variables		
Delete contents of column	ERASE	C	(Re)name variable	NAME	C
Join into one column	JOIN	C	As function of other variables	CALC	C
Get single value from column	PICK	C	Create sequence	GENE	C
Change single value in column	EDIT	C	Create repeating sequence	CODE	C
Display value stored in a box	PRINT	C	Create constant variable	PUT	C
			Create Normal random variable	NRAN	C

Data manipulation		
Sort data	SORT	C
Select according to values of another variable	CHOO	C
Omit according to values of another variable	OMIT	C
Expand data to 1 row per L1 unit	MERG	C
Contract L2 variable to 1 row per L2 unit	TAKE	C
Recode	CHAN	C
Toggle Categorical	CATN	F

Data Manipulation

C = best documentation in Command Manual <http://www.cmm.bristol.ac.uk/MLwiN/download/manuals.shtml>;
 S = best documentation in Manual Supplement <http://www.cmm.bristol.ac.uk/MLwiN/download/manuals.shtml>;
 F = best documentation in FAQs <http://www.cmm.bristol.ac.uk/MLwiN/tech-support/support-faqs/index.shtml>