

Subject index

A

- abbreviations 38–39
- ado update 25
- ado-files 317–321
- ado-path 7, 250
- anonymizing data 113–114
- append 87–88
- arithmetic operators 75–76
- ASCII 251
- audit trail 97–98

B

- backing up files 113
- baselevels (option) 153
- binreg 169
- Bland–Altman plot 210–211
- bootstrapping 171–173
- browse 122
- by: (prefix) 37

C

- c() (system settings and constants) ... 308
- capture 40
- categorical predictors 150–163
- cd 62
- centile 134
- chi-squared test 123
- ci 141–142
- cisd 146
- cisd1 214
- classification of diseases 227–235
- clogit 169
- clustered observations 169–171
- codebook 100–101
- codebook (command) 119
- collapse 94–96
- collect 237–239

- collections 237–239
- combining files 87–92
- Command window 11
- comments 37
- comparing measurements 209–213
- compress 60
- conditional logistic regression 169
- confidence intervals 141–142
- confidentiality 113–114
- correcting errors 106–107
- count 125
- Cox regression 185–196
 - checking proportionality 189–190
 - delayed entry 191
 - stratification 188–189
 - time-varying coefficients ... 194–196
 - time-varying covariates 192–193
- creturn list 308
- cs 129–130
- cumul 133
- cut() (egen function) 79–80

D

- Data Editor 13–14, 65
- data entry 64–65
- data protection 113–114
- data types 49–51
- date formats 51–52
- date variables 51–53
- date-and-time variables 53–55
- db 16
- debugging programs 321–322
- decimal separators 46–47
- decode 57
- describe 118
- destring 56, 57
- diagnoses 227–235

diagnostic tests 216–223
diagt 218–219
 dialogs 15, 26–27
 dimensions 237–239
 disease classification 227–235
 display 143
 do 16–17
 Documents folder 3–5
 do-file 16
 Do-file Editor 14–15
 do-file structure 103–104
 dotplot 280
 drop 85

E

e() (returned results) 306–308
egen 78–80
 encode 57
 entering data 64–65
 equal sign 34
 equivalence studies 206
 ereturn list 306–307
 error correction 106–107
 error finding 81–82, 105–106
 error messages 41–42
 estat gof 168
 estat ptest 190
 Excel (Microsoft) 68
 exit 9
 exiting Stata 8–9
 exlogistic 169
 explicit subscripting 83–84
 export delimited 66–67
 export excel 68

F

factor variables 150–163
 FAQs 28
 file path 62
 file types 19–20
 filenames 98–99
 Fisher’s exact test 123
 foreach 313–315
 format 45–46

formats

date 51–52
 numeric 45–46
 string 56
forvalues 313
 functions

date	.....	52–53
egen functions	.....	78–80
mathematical	.....	76
statistical	.....	76
string	.....	59

G

generate 73–75
 gold standard 216
 graph bar 291–296
 graph box 279
 graph combine 298
 graph export 300
 graph matrix 299
 graph save 301
 graph twoway 281–291
 graph use 301
 graphs 255–301

area	.....	256
axes	.....	263–267
axes, log-scaled	.....	265–266
axes, multiple	.....	266–267
axis labels	.....	263–265
axis ticks	.....	263–265
bar	.....	291–296
box-and-whisker plot	.....	279
by	.....	297
colors	.....	273
combining	.....	298
command syntax	.....	257–258
copying	.....	300
exporting	.....	300
function plots	.....	290
Graph window	.....	255–256
grid lines	.....	263–264
kernel density curve	.....	278
legends	.....	268–269
line patterns	.....	276
line plots	.....	284–289

- graphs, *continued*
 marker symbols 275
 matrix 299
 normal curve 278
 options 258
 plot area 256
 range plots 291
 saving 299–300
 saving graphs 301
 scatterplots 281–283
 schemes 261–263
 size 258–261
 text elements 268–272
 titles 268
 transparent colors 273–274
 two-way 281–291
- group() (egen function) 79
 groups 127
- H**
 help 23
 histogram 277–278
 History window 12
 Hosmer–Lemeshow test 168
- I**
 ICD-10 230–235
 ICD-9 227–230
 if (command) 315–317
 if (qualifier) 34–35
 immediate commands 142–143
 import delimited 66–67
 import excel 68
 in (qualifier) 35
 infix 67
 input 64
 installing Stata 3
 interactions 168
 intraclass correlation coefficient 215–216
 ir 183–184
- J**
 joinby 96
- K**
 Kaplan–Meier curve 179–182
- keep 85
 keyboard shortcuts 21–22
- L**
 label data 72
 label define 69–71
 label values 69–71
 label variable 69
 labels 69–72
 lag and lead functions 82
 level() (option) 141
 lincom 149–150
 categorical variable 153
 interactions 158
 logistic regression 168
 time-varying coefficients 195
 linear regression 145–163
 list 120–122
 local 310–312
 log book 102
 log file 17–18
 log-rank test 182
 logical expressions 74–75
 logical operators 34–35
 logistic 163–168
 logistic regression 163–168
 logit 163–168
 long command lines 38
 longitudinal data 252
 lroc 168
 lrtest 168, 188
 lvr2plot 149
- M**
 macros 310–312
 global 310
 local 310–312
 manuals 27–28
 margins 150
 master do-file 102
 matched case-control data 169
 matching datasets 88–92
 mathematical functions 76
 mcc 130–132
 measurement comparison 209–213

measurement reproducibility 213–216
 measurement variation 213–214
 memory considerations 60
merge 88–92
 meta-analysis 251
 missing values 47–49, 108
 —more— 12
 multiple imputation 252
mvencode 47

N
`_N` 77, 82–84
`_n` 77, 82–84
 naming
 datasets 98–99
 do-files 99
 files 98–99
 log files 99
 variables 99–100
 NetCourses 28
 noconstant (option) 154
 nolabel (option) 36
 noninferiority studies 206
 nonparametric tests 140–141
 notes 72
 numbering observations 82–83
 numeric
 formats 45–46
 lists 33
 ranges 34
 variables 45–55
 numlabel 71
 numlist 33

O
 observation numbers 82–83
 online help 23–27
 operators
 arithmetic 75–76
 logical 34–35
 relational 34–35
 options 36
 order 86
 output log 17–18

P
 panel data 252
 pharmacokinetic data 251
poisson 197–199
 Poisson regression 197–199
 postestimation
 logistic regression 168
 regression 148–150
power 201–204
 power analysis 201–208
 power analysis by simulations ... 206–208
 precision 49–51
 precision analysis 205
predict 148
 predictive values 217–219
 prefixes 37
preserve 40
probit 169
profile.do 250
 programs 317–322
 Properties window 12
 proportional hazards regression .. 185–196
 protecting data 113–114
prtest 127–129
putdocx 247–249
putexcel 247
putpdf 247
pwcompare 153

Q
qnorm 133
 Q–Q plot 133
 qualifiers 34–35
 quietly 40
 quotes
 double 37
 single 310

R
r() (returned results) 305–306
 random-effects models 170
 random numbers 225
 random sampling 85, 225–226
 randomization 225
ranksum 141

- rates** 182–184
 Poisson regression 197–199
 tabulating 182
 receiver operating characteristic .. 219–223
recode 80–81
regress 145–163
 regression analysis 145–173
 relational operators 34–35
rename 86
 reordering variables 86
replace 73–75
 reproducibility of measurements
 213–216
reshape 92–94
 residuals 148–149
restore 40
 restructuring data 92–96
 Results window 11–12
return list 305–306
 returned results 305–306
risktable (option) 180
rnormal() (function) 225
 robust standard errors 170–171
 ROC analysis 219–223
roctab 222
runiform() (function) 225
rvfplot 149
rvpplot 149
- S**
- sample** 85, 225
 sample-size analysis 201–208
save 63–64
saveold 64
scalar 312
 scalars 312
sdttest 140
search 24–25
 selecting observations 85
 selecting variables 85
sensitivity 217–219
set trace 321
 simulations 226
 single quotes 310
slist 121
- sort** 87
 specificity 217–219
 SSC archive 25
 starting Stata 7–8
 Stata Blog 29
 Stata manuals 27–28
 Statalist 29
 statistical functions 76
statsby: (prefix) 308–310
stci 181
stcox 185–196
stcurve 187
 storage types 49–51
 stored results 305–310
stphplot 189–190
stptime 182
 stratified analysis
 Cox regression 188–189
 incidence-rate data 183–184
 string formats 56
 string functions 59
 string variables 55–59
sts graph 179–180
sts list 181
sts test 182
stset 177–179
stsplit 192–193
 subscripting 83–84
summarize 120
 superiority studies 206–208
 survey data 252
 survival analysis 175–199
 survival curve 179–182
syntax 317–318
 syntax diagrams 31–32
sysdir 6, 7
sysuse 63
- T**
- tab1** 122–123
tab2 123–124
tabi 142–143
table 125, 137, 236–246
 Table one 243–246
 tables for publication 236–246

tabm	126
tabodds	130
tabstat	135–136
tabulate	122–124
tags.....	239
technical support.....	29
testparm	154–155
texp() (option).....	194–196
text data	66–67
tilde ~	5
time-series data	252
time-to-event data	175–199
time variables	53–55
tostring.....	57
transformations	135
treatment effects	252
ttest.....	137–139
tvc() (option).....	194–196
twoway connected.....	286–287
twoway function	290
twoway line.....	284–285
twoway rcap.....	286–288
twoway scatter.....	281–283
U	
Unicode	58, 251
update	3–4
updating Stata	3–4
use	62–63
V	
value labels	69–71
variable labels	69
variable lists	33
variable names	99–100
variables	45–60
date and time	51–55
numeric	45–55
string	55–59
Variables window	12
variation of measurements.....	213–214
varlist.....	33
vce() (option)	171
vce(bootstrap) (option)	171–173
version control	39
view.....	19
Viewer window	13
W	
Webinars	28
webuse	63
weights	35–36
window preferences	9–15
X	
xi: prefix	155–156
xpose	96
Y	
YouTube	28