

Subject index

Symbols

If a term includes a symbol (e.g., `_N`), the term is listed under the letter it begins with. For example, `_N` is listed under N in the index; ``tag`` is listed under T.

<code>!=</code>	227
<code>*!</code>	113
<code>++</code>	102
<code><</code>	227
<code>%#. #f</code>	101, 305
<code>&</code>	259
<code> </code>	99
<code>{</code> and <code>}</code> in loops	93
<code>`</code> and <code>'</code> for macros	85, also see Workflow package files, <code>wf4-macros.do</code>
<code>~"~`</code>	186

A

abbreviations	
command names	62–63, 116
variable names	61–62, 149
accuracy	6
ado-files	110–119
for changing working directory....	
.....	111–112, 117–118
for listing variables	113–117
loading and deleting	112
updating.....	70–71
adopath command.....	111
adoupdate command	71
<code>_all</code>	159
American Chemical Society	35
<i>American Occupational Structural</i> ..	12

analyzing data .. see statistical analysis	
<code>aorder</code> command	145, 155
archiving	see backing up
ASCII data... see importing data, ASCII	
data	
aspect ratio.....	221
<code>assert</code> command	238
Auto-indent option, Do-file Editor...	
.....	58
automation	7, 83–123, 298–299, also see ado- files; help files; <code>include</code> ; loops; macros; returned results

B

backing up	4–5, 331–337
active files	338–340
archival	332–334, 343–345
causes of data failure	334–337
compared to archiving.....	4–5, 343
copying files	337–338
levels of protection	332–334
migrating formats and data ..	333
mirroring	332, 338–340
new directory structure	34
offline	340–343
posted files	333, 340–341
risk of losing files	331
rules	337–338
system files	334
workflow for	338–343
working files	333
baseline statistics	312–313
batch files	30–31
BIC	303, 306–307
binary data..... see importing data,	
binary-data formats	

bit verification 31, 337–338
 bootstrap 55, 314–315
 British Museum 336
 bug 68

C

capitalization see naming variables, capitalization

capture

- file close** command 180
- log close** command 66, 68
- program drop** command 112

cd command 54, 111–112, 351

cf command 274

checklist for completed project 328

checksum see **datasignature**

cleaning data 4, 197–285

- importing data 203–210

clear all command 53, 65, 318

clear command 53, 65

clonevar command 143, 245

- compared to **generate** ... 143–144

cmdlog command 49

codebook, compact command 152

codebook, problems command .. 265–267

codebooks see documentation, codebooks

collaboration xxx, 14–16, 25, 135, 137, 292, 313, 348

- directory structure
 ... see directory structures, for collaborative projects

column() directive 96, also see **display**

Command window 48–49

comments 56–57

compare command 239

comparison operators 225–227

compress command 264–265

compressing variables
.... see saving datasets, compressing variables

confirmation sample 316–318

consistency 18

conventions

length of value labels 165
 length of variable labels 156
 length of variable names 149
 names for dataset 136
 names for do-files 134–135
 correlation 275, 284
 corrupted files 335
 counters see loops, counters
 creating variables see variables, creating

D

data analysis cycle 13–14
 data cleaning see cleaning data
 data conversion see importing data
 data formats see importing data
 data inconsistency, principles for fixing 241

data loss

- causes 334–337
- recovering files 336–337

data manager 16, 24–25

data recovery 336–337

data signature see **datasignature**

data types 264

dataset diagnostics 265–269

datasets

- comparing 274
- internal documentation .. 138–142,
 264

labels see **label data**

larger projects 138

names see naming datasets

notes see notes, for datasets

registry 45

saving see saving datasets

temporary 137

datasignature command 139–142,
269–270

undetected changes 141–142

workflow for using 140–141

DBMS/Copy see importing data,
DBMS/Copy

- debugging see do-files; loops; **set trace**
deleting observations 261–262
delimited text file 179
describe command 152–153
dialog box 49
directories 21–29, 31–34, also see directory structures
 changing 352
 creating 352, also see **cd \data** 55
 documenting 27–29
 holding 32
 naming 28
 private 24
 project 21–25
 relative 55
 restricting access 25
 special-purpose 25–27
 subdirectories 21
 transfer 24–25
 working see working directory
directory name suggestions
 `\- History` 28
 `\- Hold then delete` 26–27
 `\Mailbox` 23–24
 `\Posted` 22, 125–126
 `\Private` 24
 `\Scratch` 27
 `\- To clean` 26
 `\- To do` 25
 `\- To file` 25, 34
 `\Work` 22, 111–112
directory structures 21–34
 batch files for creating 30–31
 creating 21–29
 documenting 27–29
 for collaborative projects 23–25
 for complex analyses 135–136
 for large, one-person projects 23
 for small projects 21–22
 planning 29
 reorganizing 31–34
display command 100
 for debugging loops 105
do command 292
documentation 5–6, 34–36
 codebooks 37, 43–44
 comments see comments
 datasets 37, 44–45, 136–137, also see datasets, internal documentation
directories 27–29
documents 38
do-files 38, 55–56, 66–67
evaluating 39
graphs see graphs
internal 38, also see datasets, internal documentation
laboratory notebook 35
levels of 37–38
Long’s law 34
notes see notes
project mnemonic 20–21
research log 37, 39–43
research log, example 41
research log, template 42, 296
scheduling 35
statistical analysis see statistical analysis, documentation
variables 244, 253–254
what to document 36–37
writing suggestions 38–39
doedit command 50
Do-file Editor 50
do-files 47–82
 alignment and indentation 57–58
 commands in every 63–64
 comments 56–57
 complex 66–67
 debugging 68–82, also see error message; error return codes
 debugging, resolving errors 70–75
 debugging, starting over 74–75
 debugging, syntax error 75–77
 debugging, unanticipated results 77–81
 documentation 38
 ending 65

do-files, *continued*

- excluding directory information...
 53–55
 - excluding parts..... 74
 - legible..... 55–63
 - length..... 291–292
 - master..... 131–134, 292–294
 - naming..... see naming do-files
 - robust..... 51–55
 - short lines..... 58–60
 - simple..... 66
 - specifying directories..... 53–55
 - templates..... 63–67
 - version control..... 53
 - working directory..... 54
- .doi..... see include
- dotplot command..... 214
- double data type..... 81
- double precision..... 81, 207, 264
- drop command..... 261–263
- dropping variables from dataset
- see saving datasets, dropping variables
- Drukker’s dictum.. see rules, Drukker’s dictum
- dual workflow..... 127–128
- dummy commands, creating 176
- duplicate files, finding and deleting..33
- duplicates** command....265, 267–269

E

- efficiency 6
- egen** command..... 250–252
- end** programming command 114
- enforcer see data manager
- ereturn list** command..... 92
- error message
 - log file already exists..... 68
 - log file already open 64, 68
 - no variables defined 52
 - option not allowed 70
 - unrecognized command..... 69
 - variable not found..... 52, 69–70
 - why they can be misleading 76

error return codes

- r(110)** 105–106
 - r(111)** 52, 61, 69–70
 - r(198)** 70, 75–76
 - r(199)** 69
 - r(303)** 61
 - r(459)** 267
 - r(5)** 281
 - r(601)** 54
 - r(602)** 68
 - r(604)** 64, 66, 68
 - r(606)** 66
 - r(610)** 270
 - r(9)** 53, 141, 238, 274
- estat ic** postestimation command ...
..... 307

estimates

- save** command..... 53
- store** command 242
- table** command 243
- eststo** command 321–323
- esttab** command 321–323
- execution 6
- exit** command 65
- extended macro functions.. see macros,
extended

F

- fdause** command..... 202
- file close** command..... 180
- file handle 180
- file permissions 25
- file viewer 224
- file write** command..... 180
 - in loops with macros 186
- finding things..... 19
- findit** command xxxiii, 71
- fixed format.. see importing data, fixed
format
- folders see directories
- font size 220, 326
- foreach**..... see loops, **foreach**
- formatting numbers..... 92
- forvalues** see loops, **forvalues**

free format see importing data, free format

G

General Social Survey 215
generate command 245
 abbreviation 63
 compared to **clonevar** ... 143–144
generate() option, **recode** command 250
generating variables see variables, creating; **generate**
global see macros, **global**
global macros see macros, **global**
graph export command 214, 223
graph matrix command 222
graph scatter command 220–222,
 also see **scatter**
graphs 323–326
 captions 298
 colors 324–325
 debugging 75–77
 font size 220, 326
 for data verification 214–215,
 218–224, 256–258
 for papers 326–327
 for presentations 327–328
 from values in matrix 310–311
jitter 221
locals to set options 89–90
problems with 324–326
using loops 214, 222–224
version 7 214–215

H

hardware failures 335
help files 119–123
 help me 122–123
 me.hlp 122–123
help, asking for 82
hidden font 297
hit-by-a-bus test see rules,
 hit-by-a-bus test
.hlp 119

holding directory see directories, holding

I

ICPSR 204, 216
IDs, checking if unique 267–269
importing data 198–210, also see
 insheet, **infix**, and **fdause**
 ASCII data 198–202
 binary-data formats 200–201
 DBMS/Copy 201
 fixed format 201
 free format 201
 infile command 201
 infix command 201
 insheet command 201
 missing-data problems 208
 odbc command 202
 SAS XPORT 203, also see **fdause**
 Stat/Transfer 201, 203–210
 verification 203–204
 XML 202
include command 106–110,
 184, also see **insheet**; **infile**;
 infix; **fdause**
 compared to loops 108
include files 106–110, also see
 include
 cautions when using 109–110
 for missing values 236–238
 for names and labels 176–194
 naming 109
 recoding data 107–109
 saving results to matrix 308
 specifying the sample 311–312
infile command 201
infix command 201
insheet command 201–202
inspect command 211, 240
int() function 255
interactions 97
internal consistency review see
 verification, variables
internal documentation see
 documentation, internal

Irfanview 224
isid command 265, 267

J

J() matrix function 103, 303
jitter() option 221

K

keep command 261–263
 Kennedy assassination data 343
 Kinsey Institute 173, 229

L

label copy command 168
label data command 138–139
label define command 164–165
 abbreviation 63
label dir command 170
label language command ... 173–175,
 186–187
label save command 189
label values command 164, 165,
 also see value labels
 abbreviation 63
label variable command ... 155–156,
 also see variable labels
 abbreviation 63
labelbook command 170, 188–189
labeling ... *see label variable; label define; label data*
labeling datasets *see label data*
labeling values *see label define; label values; value labels*
labeling variables *see label variable*
labels, workflow for 176–194
laboratory notebook
 see documentation, laboratory notebook
LAN *see network; Stata, network*
languages *see label language*
LATEX 323
legible do-files *see do-files, legible*
list command 240

list of numbers, for use with **foreach** 95
listcoef command 58, 110
listing variables...*also see ado-files, for listing variables*
 using codebook 152
 using describe 152–153
 using nmlab 153
 with variable labels 151–155
local ++ command 102
local command *see macros*
local : command *see macros, extended*
local macros *see macros*
local tag command 162
log close command 49–50, 66
log files, master 133–134
log using command 49, 64
logit command 51
Long's law of documentation..*see rules, Long's law of documentation*
lookfor command 147–148
loops 92–106
 compared to include command ..
 108
counters 101–104
debugging 100, 105–106
for adding notes and labels.... 162
for adding results to a matrix.. 305,
 309–310
for adding value labels.... 171–173
for adding variable name to variable label..... 159
for checking names and labels.. 181
for computing correlations ... 278–279
for counting 0s 252
for creating clones 183
for creating dummy commands ...
 ... 179–180, 184, 186, 193
for creating graphs... 214, 222–224
for creating interactions 97
for files with names and variable labels 179–180
for fitting models 98

loops, *continued*

- for labeling missing values.....193
- for listing missing values 229
- for listing variable and value labels 96–97
- for recoding and labeling variables 172–173
- for recoding variables 98–99
- for removing variable labels ... 158
- for repeated analysis.....300–302
- for returned results 100–101
- for saving results to matrix .. 102–104
- foreach** command.....94–95
- forvalues** command.....95
- nested 104
- to check coding 278–279

M

- macro drop _all** command 65
- macros.....83–90, also see **local** :` and `..85, see Workflow package files, *wf4-macros.do*
- double quotes 85, also see **local** :
- extended.....96
- extended, **local** : **value** **label** 179
- extended, **local** : **variable** **label** 96, 179, 223
- extended, **local** : **word count** 102, 223
- extended, **local** : **word**.....223
- for creating a list using a loop..99–100
- for graphs 89–90
- for holding options.....88–90
- for holding returned results.....92
- for names of variables ... 86–88, 98
- for nested models..86–88, 299–300
- for options in ado-files 114–115
- for tag information .. 162, 183, 271
- global** and **local** compared ... 84
- global** command 85
- local** command 84–85

macros, *continued*

- long strings 85–86
- null string 99
- mailbox see directory name suggestions, \Mailbox
- mainframe computer 11
- master do-file see do-files, master
- master log file see log files, master
- matrix
 - creating graphs from 310–311
 - holding results .. 102–104, 303–310
 - J()** function 103
 - list** command 103, 303, 319
 - making variables from 310
- matrix**
 - colnames** command 103, 304
 - rownames** command 103, 304
- me.hlp** see help files, **help me**
- memory see **set memory**
- merge** command 279–285
- merging files 279–285
 - match-merging .. 280–281, 283–285
 - one-to-one merging 281–283
- metadata 138, 200, also see documentation, internal
- migrating the media 333
- mirrored copy 332, 338
- missing-data review 225–238
- !missing()** function 93, 227
- missing()** function 227
- missing values 144, 225, also see **missing()**
- creating variables with ... 234–236, 241, 247–249
- extended...108, 209, 225, 228–238
- importing data containing 203, 205
- in comparisons 225–227
- in matrices 103
- in numerical expressions.....225
- indicator variables for missing values 228
- indicators 228
- mistakenly created 243–245

missing values, *continued*
 problems when importing.....
 see importing data,
 missing-data problems
recode command 250
recoding 107–109, 144
 selecting observations 227, 261
 suggestions for extended missing
 values 171, 230
sysmiss 144, 225
tabulate, missing 226,
 258–259
 using include files 236–238
 value labels 171, 230
 missing-data review *also see*
 verification, variables
 mistakes 2, 6, 7, 139, 197, 254, 347
mlogit command 58
 mnemonic *see* project mnemonic
 mnemonic naming 146
 moon tapes 344
move command 155
 multiple languages *see* **label
 language**
 Murphy’s law 337–338

N

_N 191, 255
 names
 characters to use 20
 workflow for names 176–194
 naming datasets 136–137
 temporary datasets 137
 naming do-files 129–136, *see*
 directories, naming
 dual workflow 127
 run order 130
 template 134–136
 naming file 28, 30
 naming value labels ... *see* value labels,
 naming
 naming variables 143–151
 capitalization 149, 150
 planning 146–147

naming variables, *continued*
 principles for selecting names ..
 147–151
 systems for selecting names .. 144–
 146
nbreg command 110, 217
 nested loops *see* loops, nested
 NetCourses 82, 123, 356
 network 25, 70, *also see* Stata,
 network
newline 172, 180
nmlab command 113, 153
nmlabel command 113–117
 notes
 for datasets 138–139
 for variables 160–161
notes command 138–139, 160–162
notes drop command 162
notes list command 161
 null string 99, 115
 numerical list 95
 numerical precision 91, 152, 225
numlabel command 167–168
numlist 95

O

obsolete media and formats .. 201, 313,
 333
odbc command 202
 offline backups 340–341
 Open DataBase Connectivity (ODBC) ..
 202
order command 155
 ordering variables in dataset *see*
 order; aorder
 organization 5, 18–34
 do-files for statistical analysis.....
 291–292
 files and directories 27–31, *also*
 see directories
 principles 18–19
 statistical analysis...*see* statistical
 analysis, organizing do-files

P

- package, Workflow see Workflow package
 parallel regression assumption 93
 PERSONAL directory 111, 114, 118, 122, 350
 planning 5, 14–17
 directory structure 29
 in the large, middle, small 288–291
 names and labels 125, 146–147
 statistical analysis...see statistical analysis, planning
 planning, organizing, and documenting 11–46
 PO&D...see planning, organizing, and documenting
 posting files 22, 125–126
 violations 126
 precision 81, 91, 225, 264
 preferences, setting 353–356
 presentation of results 4, 318–328
 creating tables 319–323
 esttab for creating tables 321–323
 graphs see graphs, for presentations
 tips for effective presentations 326–328
 using spreadsheets 319–321
profile.do file 355
program define command 111
 project checklist see checklist for completed project
 project directory see directories, project
 project mnemonic 20–21
 protecting files ... 4–5, also see backing up; data loss, causes
 provenance see statistical analysis, provenance of results
 pseudorandom-numbers....see random numbers
p-value, computing 310
pwd command 54, 351

Q

- query** command 353
quietly command 265
 abbreviation 63

R

- r()** 91
 random numbers 55, also see **set seed**
 creating variables containing..148, 255
 replication see replication, random numbers
 seeds 55, 314–318
 selecting observations 73, 255, 316
 random sample 73, 255, 316
rc0 option, **assert** command 239
recode command 172, 233, 237, 249–250
 recovering deleted files 336–337
 Recycle Bin 334
 relative directory see directories, relative
rename command 141, 149, 176, 182–184
replace command 246–247
 replication 2–3, 313–318
 globals 318
 lost files 313–314
 need for documentation 34
 problems with changing variables.. 143
 random numbers 314–318
 robust do-files 51
 version control 53
 research log see documentation, research log
 Results window 49
 return code 69, 238
return list command 90–91, 100, 304
 returned results 90–92, see **ereturn list**; **return list**; rules, Drukker's dictum

- returned results, *continued*
 with macro.....92
- Review window.....48
- revising names and labels..see cleaning
 data
- robust do-files ..see do-files, robust
- rounding error80
- rounding numbers for printing92
- rulesalso see conventions
 all variables should have variable
 labels.....151
- avoid using special characters in la-
 bels.....169–170
- document the provenance of all re-
 sults.....296
- Drukker’s dictum90
- dual workflow127
- hit-by-a-bus text35
- how to get help82
- Long’s law of documentation ...34
- make at least two copies of files...
 337
- multiple use value labels have
 names beginning with L..169–
 170
- Murphy’s law.....337–338
- name do-files to run them in their
 sort order129
- never change a posted file22
- never change a variable143
- never name it final137
- new variables get new names..143
- posted files are never changed..125
- put key information at the start of
 variable labels.....156
- share only posted files.....22
- single use value labels are named
 after the variable.....169–170
- Stapp’s ironical paradox.....337
- store files at different locations ...
 337
- try it before presenting it.....151,
 324
- use bit verification when copying..
 337–338
- rules, *continued*
 use value labels for all categorical
 values163
- value labels should be 8 characters
 or less165
- variable names should be 12 letters
 or shorter149
- run order129–130
- runiform()** function.....73, 148–149,
 255, 316
- S**
- sample, selectingsee
 keep; drop; random numbers,
 selecting observations
- SAS XPORTsee importing data, SAS
 XPORT
- save** command.....270–271
- saved results.....see returned results
- saveold** command.....270
- saving datasets260–
 271, also see **datasignature;**
 save; saveold
- compressing variables.....264–265
- dropping variables262–263
- internal documentation.....264
- ordering variables155, 263
- running diagnostics265–269
- selecting observations.....261–262
- scalability.....8
- scalar.....91
- scatter** command75–77, 220–222
- scientific notation.....79
- seeds for random numbers.....see
 random numbers
- selecting observations73, 261–262,
 316–318
- selection variables.....261–262
- sequential naming145
- set linesize** command...58–59, 179,
 355
- set logtype** command.....354
- set matsize** command.....354
- set memory** command.....355
- set scheme** command.....294

- s**
set scrollbufsize command.....354
set seed command.....55, 73, 316
set trace command.....81, 106,
 115–116
set varabbrev command.....61–62
set varlabelpos command.....154
signature see **datasignature**
SMCL...see Stata Markup and Control
 Language
snapshots of files 342
software also see **Workflow** web site
 DBMS/Copy.....201
 file manager.....31
 Stat/Transfer 201
 text editor.....6, 50, 58, 67, 85
 utilities 31
sort command 240, 281
sorting IDs.....281
source naming.....145
source variables 183, 241–244
special characters.....54, 134, 168–169
SPost package xxix, 58, 71
spreadsheets
 creating tables for presentation ...
 319–321
dataset registry 45
planning directory structure....29
planning extended missing values..
 230–232
planning names and labels ... 146–
 147, 180
standardization 7
Stapp's ironical paradox see rules,
 Stapp's ironical paradox
Stat/Transfer.....see importing data,
 Stat/Transfer
Stata
 customizing 353–356
 directories 350
 executable 110, 349
 Mac OS version 54, 351
 NetCourses 82, 123, 356
 network 350–353
 resources 356–357
 Unix version.....54, 351
- T**
tab1 command.....212–213
tab1 compared to **tabulate**.....212
tables, creating.....319–323
tabulate command.....153–154
 abbreviation 63
tabulate, generate() command
 252–253
tabulate, missing command.....226
- Stata, continued**
 updating.....xxxiii, 70–71
 version 9 differences from Stata 10
 65, 73, 270, 318
Stata Markup and Control Language..
 64, 122, 354
statistical analysis
 baseline statistics.....312–313
 documentation 295–298
 master do-files 292–294
 organizing do-files 291–294
 planning.....287–291
 presentation ... see presentation of
 results
 provenance of results.....4, 287,
 296–298
 returned results 303–307
 saving results to a matrix..303–307
 using locals 299–300
 using loops 300–302
stem command 213
stepwise command 316–317
.sthlp 119
string() function 79, 92
strings, creating long 85–86
subdirectories see **directories**,
 subdirectories
substr() function 190
summarize command 49–50
 abbreviation 63
svmat command 310
syntax command 113–114
syntax highlighting 67
sysdir command 350, 352
sysmiss see **missing values**

- `tag` 162
- tag macros 162, 183, 271
- template
 - do-file 63–67
 - research log 42–43
- tempvar** command 151
- text editor see software, text editor
- time stamp 161
- tracing a do-file see **set trace**
- training sample 316–318
- Trash Can 334
- truncation
 - of commands 58
 - of labels 156–157
 - of output 60
- TS** see time stamp
- twoway** command 75–77
- typography xxxiii

- U**
- unab** command 158–159, 178–179, 181, 183
- uniform()** function ... see **runiform()** function
- uniform procedures xxix
- update all** command 70
- updating ado-files see ado-files, updating
- updating Stata see Stata, updating
- usability 7
- use** command, with working directory 52
- uselabel** command 190

- V**
- value labels ... 163–173, also see **label values**; **label define**
 - adding numbers to 166–168
 - copying 168
 - deleting 165
 - listing 153, 170
 - missing data 169–171
 - naming 169–170
 - principles 147–170
 - removing 165
- value labels, *continued*
 - revising 185–194
 - special characters to avoid ... 168–169
- two-step process 164–165
- unique 188
- values review see verification, variables
- variable labels 151–159, also see **label variable**
 - including variable name .. 158–159
 - listing 151–155
 - principles 156–157
 - revising 185–194
 - temporarily changing 157–158
 - testing 157
- variable lists see listing variables
- variable notes ... see notes, for variables
- variables
 - cloning see **clonevar**
 - creating 241–244
 - creating, using **ege** commands 250–252
 - creating, using **tabulate**, **generate()** command ... 252–253
 - creating, verifying see verification, variables
 - creating, with missing values .. 247–249
 - dropping 184
 - naming see naming variables
 - ordering 155
 - principles for creating 242
 - renaming 149, 182–185
- Variables window 48, 148, 154
- verification
 - codebook, problems** 265–267
 - duplicates** command 267–269
 - internal consistency 211–240
 - isid** command 265
 - variables 203–241, 243–244, 254–260
 - variables, internal consistency review 211–240

verification, *continued*
 variables, missing-data review 225–238
 variables, overview 210–211
 variables, substantive review..216–225
 variables, values review ... 211–216
version.....see version control
 version control.....53

W

web site, Workflow ...see Workflow web site
which command 113
 windows ... see Command window, Results window, Review window, Variables window
 Work. Finish. Publish.....14, 318
 workflow for names and labels..176–194
 workflow of data analysis
 changing yours 8
 criteria for choosing....2, 6–8, 348
 overview 1
 steps.....3–5
 tasks.....5–6
 Workflow package xxxiii, 352
 renaming files 110
 Workflow package files
 me.hlp.....122
 nmlabel-v1.ado 113
 nmlabel-v2.ado 114
 nmlabel-v3.ado 116
 nmlabel-v4.ado 117
 research-log-blank.docx 42
 wf2-data-registry.xls.....45
 wf2-dircollab.bat.....30
 wf2-directory-design.xls ... 29
 wf3-complex.do 66
 wf3-debug-graph2.do 76
 wf3-debug-graph3.do 76
 wf3-debug-graph4.do 76
 wf3-debug-graph5.do 76
 wf3-debug-graph6.do 77
 wf3-debug-graph7.do 77
 wf3-debug-graph8.do 77

Workflow package files, *continued*
 wf3-debug-precision.do.....78
 wf3-example.do 63
 wf3-intro.do.....49
 wf3-longcommand.do 58
 wf3-longoutputlines.do.....59
 wf3-simple.do 66
 wf3-step1.do.....51
 wf3-step1-v2.do 52
 wf3-step2.do.....51
 wf3-step2-v2.do 52
 wf3-subsample.do.....73
 wf4-include-2digit-recode.doi 108
 wf4-include-3digit-recode.doi 109
 wf4-include.do 108
 wf4-loops.do 92, 96, 101, 104
 wf4-loops-error1.do 105
 wf4-loops-error1a.do 105
 wf4-loops-error1b.do 105
 wf4-macros.do 86
 wf4-macros-graph.do 89
 wf4-returned.do 90
 wf5-datasignature.do 139
 wf5-language.do 173, 174
 wf5-master.do 133
 wf5-master01-desc.do 133
 wf5-master02-logit.do.....133
 wf5-master03-tabulate.do .. 133
 wf5-names-plan.xls 147
 wf5-sgc1a-list.do 178
 wf5-sgc1a-list.xls 180
 wf5-sgc1b-try.do.....181
 wf5-sgc2a-clone.do 183
 wf5-sgc2b-rename-dummy.do 184
 wf5-sgc2b-rename-dump.do 177, 183
 wf5-sgc2b-rename-revised.do .. 184
 wf5-sgc2c-rename.do ... 177, 184
 wf5-sgc3a-varlab-dummy.doi ... 186

- Workflow package files, *continued*
- wf5-sgc3a-varlab-dump.do
 177, 185
 - wf5-sgc3a-varlab-revised.doi
 186
 - wf5-sgc3b-varlab-revise.do ...
 186
 - wf5-sgc4a-vallab-check.do
 188
 - wf5-sgc4b-vallab-dump.do .. 189
 - wf5-sgc4b-vallab-labdef-
 dummy.doi..... 190, 193
 - wf5-sgc4b-vallab-labdef-
 revised.doi..... 193
 - wf5-sgc4b-vallab-labelsave-
 dummy.doi 189
 - wf5-sgc4b-vallab-labval-
 dummy.doi 189
 - wf5-sgc4b-vallab-labval-
 revised.doi 189, 193
 - wf5-sgc4c-vallab-revise.do ...
 193
 - wf5-sgc5a-check.do 194
 - wf5-vallabels.do 163, 165,
 167, 171
 - wf5-varlabels.do 151, 158
 - wf5-varname-to-label.do ... 158
 - wf5-varnames.do ... 143, 147, 148
 - wf5-varnotes.do 160
 - wf6-create.do 242, 244, 247,
 249, 253
 - wf6-create01-controls.do .. 271
 - wf6-create02-binary.do 274
 - wf6-create03-noneutral.do
 277
 - wf6-import.do 202
 - wf6-import-fdause.xpt..... 202
 - wf6-import-free.txt 202
 - wf6-isspru-sttr01.do 207
 - wf6-isspru-sttr02.do 209
 - wf6-merge-match.do 280
 - wf6-merge-nomatch.do 284
 - wf6-merge-onetoone.do 282
 - wf6-review-biochem.do 212
 - wf6-review-consistent.do .. 238
- Workflow package files, *continued*
- wf6-review-gss.do 215
 - wf6-review-jobphd.do 220
 - wf6-review-missing.do 225,
 228
 - wf6-review-misstype.do 232
 - wf6-review-misstype-
 ifsxrel.doi 237
 - wf6-review-misstype-
 refused.doi 237
 - wf6-review-misstype-
 registry.xls 230
 - wf6-review-phdspike.do 218
 - wf6-review-timetophd.do ... 216
 - wf6-save.do ... 263, 264, 266, 267
 - wf6-verify.do 254
 - wf7-baseline.do 312
 - wf7-caption.do 298
 - wf7-graphs-colors.do 324
 - wf7-graphs-fontsize.do 326
 - wf7-include-sample.do 311
 - wf7-include-sample.doi 312
 - wf7-locals.do 299
 - wf7-loops-arttran.do 302
 - wf7-loops-ttest.do 300
 - wf7-matrix-arttran.do 308
 - wf7-matrix-nested.do 306
 - wf7-matrix-nested-include.doi
 308
 - wf7-matrix-nested-include.doi
 308
 - wf7-matrix-plot.do 310
 - wf7-matrix-ttest.do 303
 - wf7-plan-cwh-large.pdf 288
 - wf7-replicate-bootstrap.do ...
 314
 - wf7-replicate-stepwise.doi
 316
 - wf7-swb-all-support.do 292
 - wf7-tables-esttab.doi 321
 - Workflow web site xxxiii, 29
 - working directory 54, 111, 350–351
 changing 54, 117–118
 - wrapped lines 60

X

- x-** 137
- XML see importing data, XML
- xmluse** command 202