(FGLS) Chapter 6 (IX) (dummy) Chapter 7 Chapter 8 6.2.1 7.102 8.2 6.2.2 8-5 7.02 6.2.3 7-4.1 8-7-4 6.3 8.8 (LDV) 8.10 Chapter 10 8 · A g·B. 0.1.2 BB 0.1.3 13.1.1 10.2 CREATE 13.1.2 10.3 RECIPE " B.2 10.4 13.3 & LGORITH M 10.5.1 B.4 13.5 of Data Sc.

E

2

C

11

16

6

STATA CHEAT SHEETS

Start you have data sets meiging vars how refined labelling generating Vars data set hew refined of ata Set Use odta, clear (1) describe & Summarize (3) -N (largest Observation)] -> use -n (current) generate, replace,] generale X = yx100 (new vau) (modifies) Jamefeen. Sum x

gseet, Sort (4)

cescending!

given ascending 2

gsort y - 3. Sum x (descender) (Sout) gsouty +z list fusts soder asc.)
-5/1 lousts y list ryz in I/s

gent-z Soutz list / gent-z Iist 2 y z in 1/5 gen 3 = y it n > 5000 Sort 10 list p on 2 3, Sep(0) mussing val (1) - 1 . 1 (Say failed condis) Sum 3 if x>5000 ExeFul

gen 2 2 0

Generate dummes

gen y=1 if. 2>5000

missing created

mot 0. mologe 72/1/2 <= 5000 replace y= lif n > 5000 list puzy 9) muss my val as tyngest mon me mher.

) gen y = (2 <= 5000) if x < . 2 gen 8 = (22)5000) if x Co TODAY histen to ma'am lécoedings Summary Statistics Stata Bourn THDS foractice play Variables if for subset of data analysis Sum boar if x==)

Vaclist and if qualifiers by 2, Sort: Sum þ, g, 2 lquivailent Sum yo on & if x == 1 by varlist: - for discrete categories N= 3 NE, SEG Then for each x value 9 automatic Sum box if x == "WE" 2 log () - (1) (not by værlist:) tabstat p, by (x) statistics (Nomean solvin mex)

eg by (region) table with sum for each region by Naulist: repeats command for each Value of region. EXAMPLE n and y to one duning 3 =) for Me! and 2 for 7 gen z = x + 2 x y by by, sout: Sum a bc Valuel (12) aluel dola "abc" variable X 11 population alrel

desc

dop varlist if (condry range)

Reep varlist.

(old) (new) Tempfix MB nicebidity

(15) Sam syz. dta, replace

(6) outsheet (C3*X)

DATA TRASFORMS

Start from the first do files.

hist all do file.

How data is transformed.

Reep if x = = 1

suep p q es

buep pals by sout varlist : egen 3 = max(x)

* Advanced ['sysort egen]

Sony create a var=1 jor just one dus in each eso

bysort z: gen y1= {-n==1}

egen 42 = tag(z)

after new var (say using egen) - 'alrel and drop deeplicates. (3) generate dumny var z gen z = 0 réplace g = 0 | il n== | | y== |3 melge mil using 200ta neutrix delp_mege

Codlapse (mean) [weight] by (vanlist)
meege using gini 1 for ids)

De can use e gen foe say max, nin and use to get ang.

eyen a = n eyen b = n you a = nin(ine) 30 that cuate ordering gen &= lifg -N (for count) T6) incl= per 6 gen people-count = N bys varist: gen proplecount = N

bys varist new var: gen percent = [-N x 'oo peoplecount] (1HDS rank 1 (1000) 2 (helow ang) 3 (abrang) Bindiae Now - under goutinder potinder

STATISTICAL ANADSIS using STATA Cheat Theet: I use datasel 7 - N (highest) -- n (current) J generate 2 3 y 7 Summanize x (continuous) 7 tabulate x (catigorical) + replace x 2 x

+ port x -y

+ list x y , sep by (x)

out of all i, eli) 7 solt pop 7 list State rejion popins 1/5 82) hut 5 statu 10/ higheste. 7 good - pop # descending 7 list State region pop in 1/5 t gen X2=2 if 4>100 t ol - mussing 83) Create a Lumny Iff a continuous.

7 gon 8 20 Freplace 52/if popo = 5000 7 gen L = 0 t replace (=1 if pop > 5000 8) why not gens = 0 gen 120 A) for pop > 5000 8 would be set musting and not o. * " mussing treated as ao · o all values < = True! ALTERNATE Jan 5 = (pop (= 5000) it pop (. Jun L= (150/5) 5000) if pop (=

Juplace new 25 if old == 2.

He code old (2=5), genluew)

STATA CHEATSHEETS ISHORTCUTS 1) F2 - Describe data 2) Ctr1+8 - open data editor 3-) C+r1 D - brightighted beention of I SET UP - bwd -dir · Cd PATH -dirxodta - log using FILE. Ext, replace - SSC Install PACKAGE I IMPORT DATA - Use FILE. dta Iclean - import excel FILE·XISX,/*

X/Sheet ("Sheet 1") cellrange (42°41)) first now

- import de l'invited FILE. CSV, /*

X/rowrange (2:11) collarge (1:8) Varanes (2) [by vais] command [vais] [=exp] [ifexp]
[in range] [weight] [using FILE] Golfpus] bysort RO4: Summarise price if Joseign

= = 0 & price L = 9000, detail! Analysis - bysoit a just by-Alphication of unique comp of Varsin van Muchan)

[vai2] - Veiter to apply command (fn) [= exp] - Same output as new variable I LOGICAL OPERATORS -+,-,*,/, N - 教名!!===!= (>= JATA TYPES le mussing data (no data) true/false (byte) int long. float double Sayvarli Valle 11/11 - gen vails string (Vaid) - to string vaul, gan (vauz) Clecade vail, gon (vail)

M DATA EXPLORE - describe - Count if vae > 500" - Codebook var gives oneveres - Summarize or Sum Var - inspect val (hustogram) - histogram Vall, Vall (positive) thus to exclude ask whether levelsof vant : unique vals of vant browse clist (compactify) display (di) val 1[4]

- list var var if var > 10,000 & ! musing (var 2)