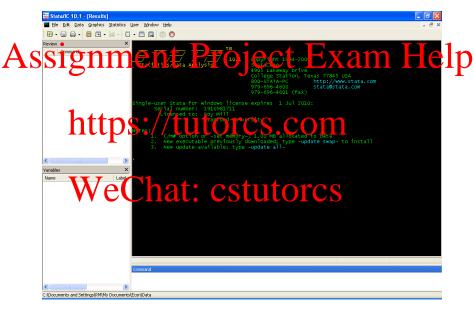
Assignment Project Exam Help INTRODUCTION TO STATA

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Stata - love at first sight?



Datasets

Datasets are the objects of statistical analysis. They contain a matrix of which rows represent different observations (draws of Statistical analysis.) They contain a matrix of which rows represent different observations (draws of Statistical analysis.) They contain a matrix of which rows represent different observations (draws of Statistical analysis.) They contain a matrix of which rows represent different observations (draws of Statistical analysis.) They contain a matrix of which rows represent different observations (draws of Statistical analysis.) They contain a matrix of which rows represent different observations (draws of Statistical analysis.) They contain a matrix of which rows represent different observations (draws of Statistical analysis.)

| Dat B | v sei | Si | //t 1 | 1t(| rc | S.C | COI | \mathbf{n} | | |
|---------------|--------------|------|--------------|--------|------|-----|---------|--------------|----------|-----------|
| Preserve | Restore | Sort | << > | > Hide | Dele | te | | | | |
| idcode[1] = 1 | | | | | | | | | | |
| | idcode | year | birth_yr | age | race | msp | nev_mar | grade | collgrad | not_smsa_ |
| 1 | 1 | 70 | 51 | 18 | 2 | 0 | 1 | 12 | 0 | 0 📃 |
| 2 | 7 1 | | 51 | 19 | 2 | 1 | 0 | 12 | 0 | 0 |
| 3 | \mathbf{A} | 7. | 1 251 | • 🔊 | C 2 | 116 | 110 | 12 | 0 | 0 |
| | y 🕒 | 7 | IUI | . • | 1 3 | uu | | 12 | 0 | 0 |
| 5 | 1 | 75 | 51 | 23 | 2 | 1 | 0 | 12 | 0 | 0 |
| 6 | 1 | 77 | 51 | 25 | 2 | 0 | 0 | 12 | 0 | 0 |
| 7 | 1 | 78 | 51 | 26 | 2 | 0 | 0 | 12 | 0 | 0 |
| 8 | 1 | 80 | 51 | 28 | 2 | 0 | 0 | 12 | 0 | 0 |
| 9 | 1 | 83 | 51 | 31 | 2 | 0 | 0 | 12 | 0 | 0 |
| 10 | 1 | 85 | 51 | 33 | 2 | 0 | 0 | 12 | 0 | 0 |
| 11 | 1 | 87 | 51 | 35 | 2 | 0 | 0 | 12 | 0 | 0 |
| 12 | 1 | RR | 51 | 37 | 2 | 0 | n | 17 | 0 | |

Main windows

Assignment Project Exam Help of the commands you run

- <u>Review</u> (red) shows previously run commands
- Variety reen allows CStutores
 the variables in the loaded
 dataset

Menu and Upper bar

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- • Open a data file
- · https://tutorcs.com
- — Open data editor (left), or data browser (right), for dataset in memory
- . WsaChait-file Street Offe Stor window
- Stop execution of a command

From the menu you can easily call forms that will run some commands for you. For example: "Data \rightarrow Describe Data \rightarrow Summary Statistics" will open a form and then run the summarize command accordingly.

Commands and Syntax Conventions

Commands in Stata usually take the following form:

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A few conventions:

- Angle brackets () mean that you must put something in that pass in other tolerches are contitory
 Square brackets [] mean that you may put something in
- Square brackets [] mean that you may put something in their place. In other words, they are optional
- General syntax will be in blue color, specific examples in green **CURAL**. **CSTULOTCS**

For example:

```
use mydataset.dta, clear
drop if male==1
save mydataset_females.dta, replace
```

Use and Save

A State works with a single plataset in memory. It can work with 1 p the dataset to the internal memory from the disk and you can

save it back to the disk after you are done.

To load a the set into the memory we can the se command:

use <file path> [, clear]

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- file path required path to the dta file you want to load.
- <u>clear</u> Ignore existing dataset in memory, even if unsaved.

Use and Save

Now, after messing with the file, we might want to save it on file for later use.

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- file path required path to the dta file you want to save.
 replace is a file and by the Sanc Oths folder exists, replace it with the dataset in memory.

- Two can actiace Stills will appear in the future and will have the same use: clear will overwrite the current dataset in memory and replace will overwrite the file on disk.
- If you will use the icons in the upper bar for loading and saving datasets, Stata will actually run the the use and save commands.

Use and Save

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```
// Alternatively ...
cd 'n proposite and let of CRS Poers'm
use RawDala, clear
```

// Wechat: estutores

```
// Now save it to the "data" subfolder
save data\GoodData, replace
```

Sniffing Around - What's in the Data

So we loaded a dataset and we want to learn more about what's ssignmento Project Exam Help • describe - Lists the variables names, labels and formats

- list Lists the observations' matrix: each observation with its takes for each of the variables.com

 browse- Like list, but opens up a window and is more
- convenient
- $\begin{array}{c} \underline{\text{tabulate}} \quad \text{Reports a histogram of a variable or joint} \\ \underline{\text{histogram of a variable SUUIOICS}} \end{array}$
- summarize For each variable requested, reports the number of observations with non-missing values, the mean, standard deviation, and other summary statistics.

Examples and their Output

describe idcode year birth_yr

Assignment de la coject Exama Help

| * | | | rathers_brot | tners | | • |
|----------|---|--|--|-----------|-------------|-----------|
| 1 | 0 | 1 | 2 | 3 | 4 | Total |
| i | 132 | 138 | 74 | 24 | 7 | 375 |
| 1 | 113 | 131 | 69 | 26 | 9 | 348 |
| 1 | 72 | 87 | 37 | 7 | 2 | 205 |
| 1 | 21 | 18 | 12 | 4 | 1 | 56 |
| ! | 7 | 5 | 2 | 2 | 0 | 16 |
| 1 | 345 | 379 | 194 | 63 | 19 | 1,000 |
| | | 0 132 113 72 21 7 | 0 1 132 138 113 131 72 87 21 18 7 5 | 0 1 2 | 0 1 2 3 | 0 1 2 3 4 |

Examples and their Output

su south race age

| | Variable | 0bs | Mean | Std. Dev. | Min | Max | |
|--------------|----------|-------|------------|-----------|------------------|------|-------|
| A ara | | | ←-Ð | ~:~~+ | | 1400 | 11212 |
| ASS | south | 28526 | .4095561 | 4)17605 | $\Gamma_{\rho}X$ | 1 1 | Help |
| | Qace | 28534 | 1.303392 | .4822773 | 1 | 3 | P |
| | age | 28510 | 29.04511 | 6.700584 | 14 | 46 | |

su tehttps://tutorcs.com

job tenure, in years

| | Percentiles | Smallest | | |
|-----|-------------|----------|-------------|-------------|
| 1% | N/a/ | hote. | octute | orog |
| 5% | 0883333 | ار.الر | cstute | JICS |
| 10% | .1666667 | 0 | Obs | 28101 |
| 25% | .5 | 0 | Sum of Wgt. | 28101 |
| | | | | |
| 50% | 1.666667 | | Mean | 3.123836 |
| | | Largest | Std. Dev. | 3.751409 |
| 75% | 4.166667 | 23.33333 | | |
| 90% | 8.416667 | 24.5 | Variance | 14.07307 |
| 95% | 11.41667 | 24.75 | Skewness | 1.939685 |
| 99% | 16.91667 | 25.91667 | Kurtosis | 6.901501 |
| | | | | |

Note: su is short for summarize

Commands' Help Files

Each command should come with an accompanying help file. To learn more about additional options, other features, or to

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Commands' Help Files

Main parts of a usual help file (by the order I usually read them):

Assistant How to sper your command annual Help

- Examples (at the bottom) Shows you specific examples of how to run the command. Sometimes with an explanation.
- **Options** The same compared with different options can do totally different things. Skim through the options and look for the good ones.

Tips: WeChat: cstutorcs

- Don't be afraid to experiment. Your data is saved on file, so you can always load it back if you made a mistake.
- Error messages looks scary, but don't let them fail you. READ them and try to understand them.
 - Remember: Errors don't mean that you are stupid, they mean that Stata is stupid.

Basic Data Manipulation - generate

Assignment Project Exam Help gen <new-variable-name> = <expression> [if] [in]

For examples://tutorcs.com

gen four = 4

will create a fariable (#column) that will contain the number 4 for all observations arows CSTUTORCS

```
gen age_sq = age^2
```

will create a variable that will contain the square of the value in the age variable for the same row.

Conditions in Stata

Sometimes we want to apply a command only to some observations, not all.

A Sweller detailed by the condition of the construction of the condition o

male == 1

age >= 21

4 > 60

- Interplates the indicate and complete 1, if the statement is true, or 0 if the statement is false.
- For example, since (4 > 60) is not true, Stata will treat the expression (4 > 60) as if it was 0.
- Two the configures involve target frames. They will be invoked as part of a command. Stata will apply the command only to observations for which the values inside the specified variables make the statement true.
 - For example, this is how we ask Stata to run summarize on females only:

su income if male == 0

Conditions in Stata

Asyilgohrpressel between the large temperature and Help

We can combine multiple conditions with AND, OR and NOT operators:

will be true for males aged 21 and above or females aged 50 and above WeChat: CStutorcS
Adding the ! operator before a condition will negate it:

will be true for people strictly younger than 21.

Conditions in Stata

Lastly, do not forget operators precedence:

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```
male == 1 & age > 21 | age < 10
will that the Smale stole that Compare under 10.
```

```
male == 1 & (age >= 21 | age <= 10)
```

will by the for males only that tre-either older than 21 or younger than 10.

Note: missing values (.) are bigger than any value: (. > 400000 is true)

For a complete list of logical as well as other operators, see help operator

Back to Data Manipulation

gen can also take a condition. Observations for which the condition is false will have a missing value in the new variable:

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age_sq_males will contain the square of age for males and a missilg talle for femulaes to tutores.com

Note the difference between the assignment = and the comparison ==

One can also ce that aluacion trutorics the value to put into the new variable:

```
gen really_old = age > 22
```

Remember, the expression age > 22 will be translated to either 1 or 0 according to whether age is bigger than 22 or not.

Back to Data Manipulation

Question: Which of the next three commands is best?

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```
\begin{subarray}{l} \beg
```

All commands will make those with schooling < 12 have the value 1 in dropout. But what about the other ones?

- FW Bewill and messing talted TI Sher observations
- Second line will assign zeroes to all other observations
- Third line will assign missing values to all observations that have a missing value in schooling and zeroes to the rest

So you will probably want to use the third line rather than the first two.

Meet replace, gen's sister

Just like gen, but for existing variables instead of new ones, use replace (other statistical packages such as SAS don't even have Shis distinction between Proting and relacing Help replace <variable-name> = <expression> [if] [in]

For ehttps://tutorcs.com

actual_price if discount contains 0.

```
replace four = 5
will change the values in the variable four to now be 5.

Wechat. CSTULLOTCS

gen actual_price = discount_price if discount == 1

replace actual_price = full_price if discount == 0
will first create a variable that will contain the value from discount_price for all observations in which discount contains 1, then replace puts the value of full_price into
```

Do-files

A Statilgen reprede the command river to type in roundable pand and the them one-by-one. This was working interactively.

What if you have many commands to run?

A .ddfile is a separate line. This way you can save your commands for:

- later review improvement and additional work
- collaborating with your colleagues they can continue what you started

Comments

A Some no file you can also explain what you are doing by adding 1 Post of the composition of the post of the p

```
/* Multi-line comments can be written easily like this
I can continue babbling on and on
utilf baya nothing mere to say about this program *
```

- * One line comments that start at the beginning of the line
- * can be written by putting a * at the beginning of the line

```
replaced e interest in the segments of a line can be // written by those double-slashes. Everything to // the right of a double-slash is a comment.
```

Long lines in do-files

As you noticed, each Stata command takes one line. Once you hit the return, or enter, key, Stata runs the command. This is

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su income mot_educ fat_educ school age agesq south bigcity tenure comm

```
You Introduct the life with offes.com
```

su income lot_educ fat_educ school age agesq south bigcity ///
tenure commute kids_u5 kids_18 tot_kids siblings ///
if male & professional

Another way start #decimental tolleging of the do file and then end each command with a semicolon (;):

```
#delimit;
su income mot_educ fat_educ school age agesq south bigcity
tenure commute kids_u5 kids_18 tot_kids siblings
if male & professional;
tab age;
```

Log files

One last file you can save your work to is your log file. Unlike the do file, a log file will also save the text output resulted by

ssignment Project Exam Help

Whatever appeared in the results (big black) window, from when a log file was opened until it was closed, will be saved to

the repetted s. fl/tutores.com

A log file is used to see what your program have done. Unlike the do file that will be edited and improved by you, the log file is authoritiedly draget by court programmes

```
// Open a log file
log using <log-file-name> [, append replace text]
/* ... */
// Close current log file
log close
```

Log files

replace - overwrite the file on disk if it already exists

Assignment - add the output to the end of the existing file if elp

• <u>text</u> - save the output in text format. In some cases Stata's default is to save it in a text-like format of its own called **Afttps://tutorcs.com**

Here's a tip:

If a log is already open (usually after the last run ended tragically with all error), opening a log will create yet another error.

To solve that, add the following line right before the log using line:

cap log close

File Types Summary

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| _ | | | | 7 | |
|---|--|----------------------------|--|---|--|
| 1 | 8 | data files | do files | log files | |
| | What's in it? | Observations and variables | A batch of commands | Text output from your commands | |
| | How de to the state of the stat | nse tudemid | Sy ExOM- | log commands | |
| | What is it good for? | Saving your data | Saving sequence of actions on the data | Recording commands you ran and their output | |
| | File extensions | hat: cst | ULUICS | .log | |

What is a Macro?

A Macro is a string (= a sequence of characters) that we name and can refer to

A sand can refer to. A sand can refer to. One type of a macro is the local macro (local = can not be

One type of a macro is the local macro (local = can not b referred to outside the program):

```
https://tutorcs.com
// Define local
local <macro name> = <expression>
```

```
// Releve Cahat: cstutorcs
```

Note the back-quote and quote signs: ' is the character usually on the upper left corner of the main part of your keyboard (where $\tilde{\ }$ is). ' is the usual single-quote sign you're using.

Globals

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```
// Define the global and assign an expression to it

plobal <macro mame> = <expression>

// Reigr to the global

[...] ${<macro name>}
```

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Strings and Macros

In Stata, we put string expressions between double-quotes. For example:

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If we don't put double quotes in a string expression, Stata will look of a value instead of part of the command. This is why we need the double quotes.

Same West Chat: CStutorcs

First loop: forvalues

Loops are lines of code that can be run more than one time.

Each time is called an **iteration** and in **for** loops there is also an index that is changin pach iteration (the index is actually a pack iteration).

In the case of forvalues, the index is incremented each iteration the loop //tutorcs.com

```
// Define the loop
forvalues <index name> = <starting value>/<ending value> {
    // Commands to run each iteration
    // West Commands ... CStutorcs
```

The loop will put <starting value> into <index name>, then run the commands until it reaches the closing }. Then it will go back, increase the value of <index name> by one and run the commands again, until it is done with the commands for the <ending value>.

First loop: forvalues

For example:

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```
Will https://tutorcs.com
Iteration #1
Iteration #2
Iteration #3
WeChat: cstutorcs
forvalues i = 7(7)21 {
    replace age = 0 in 'i'
```

Will set the value of the variable age to 0 for observations 7, 14 and 21.

What is it good for? Part 1

Imagine you have three different specifications:

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```
\begin{aligned} y_t &= \beta_0 + \beta_1 x_t + \beta_2 age_t + \beta_3 agesq_t + \beta_4 educ_t + \eta_t \\ y_t &= \beta_0 + \beta_1 x_t + \beta_2 age_t + \beta_3 agesq_t + \beta_4 educ_t + \beta_5 mo\_educ_t + \beta_6 fa\_educ_t + u_t \\ \textbf{https://tutorcs.com} \end{aligned}
```

Still not convinced? You're right. This example, as it is now, is longer than just writing three lines of regressions. But hold on...

foreach

When you want to iterate on other lists - not just an arithmetic sequence of numbers - you will want to use foreach.

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```
foreach <index name> in list separated by space> {
    // Commands to run each iteration
} https://tutorcs.com
For example:
```

```
foreach i in 3 15 17 39 {

di Weinat: cstutorcs
```

```
foreach dep_var in income consumption health_score {
   reg 'dep_var' educ age agesq
```

Even though we didn't put double-quotes on the values, since they are inside a foreach loop with the in word, Stata knows to treat them as values

foreach

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```
foreach fullname in "Roy Mill" "John Doe" Elvis Presley Madonna {
    di "Hello 'fullname'"
} https://tutorcs.com
```

Will print:

```
Hello We Chat: cstutorcs
Hello Elvis
Hello Presley
Hello Madonna
```

foreach and variables lists

When you iterate over variables' names it's better to put of varlist instead of in:

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• State Dood that Ultoner CoSh Capilla ist is actually a variable (avoid typos)

• You will be able to use wildcards

```
foreact votice vars at farlist Sother *(OTCS

// This loop will go over all variables that begin with mother_
}
foreach setvar of varlist set?_score {

// This loop will go over all variables that have one character

// where the ? is. For example set1_score, set2_score, ...

// (but not set14_score)
}
```

What is it good for? Part 2

A Semiember our three specifications? Now imagine we want the lp Here is one way to do that:

```
local spice ""S. //tutorcs.com
local spice "gesqueut" orcs.com
local spec3 "'spec2' mo_educ fa_educ"

foreach_sampleCond in "if male == 1" "if male == 0" "" {
  forvavese = 13 at: CStutorcs
  reg y x 'spec'i', 'sampleCond',
  }
}
```

What is it good for? Part 2

This loop is equivalent to running:

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```
reg y x age agesq educ mo_educ fa_educ if male == 1
reg y x if male == 0
reg y x ige agesq educ if rale reg y x ige agesq educ if rale reg y x
reg y x
reg y x age agesq educ
reg y x age agesq educ mo_educ fa_educ
```

Now imagine you want to change the standard errors to robust, or add another control variable to the second specification. How much work will you need for the loops version and how much for the this version? And wait until you will need to post the results to a table.

Getting values returned by commands

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https://tutorcs.com

scalars:

```
We sum w a 19238 C Stutorcs

r (mean) = 19238 C Stutorcs
2344318536230377
```

r(Var) = .179482889232214

r(sd) = .4236542095060711r(min) = 0

r(max) = 1r(sum) = 4510

Getting values returned by commands

reg union age south c_city

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```
e(N) = 19226

e(df_m) = 3

e(df_r) = 19222

[...] https://www.ec.com
```

macrost Coddling a regress thio Lag courne_Sty"

e(vce) : "ols"

[...] e(estat_cmd) : "regress_estat"

matrices:

 $e(b) : 1 \times 4$ $e(V) : 4 \times 4$

Getting values returned by commands

```
// Show coefficients after reg
   ignment Project Exam Help
e(b)[1.4]
                           c_city
                                      cons
         age
v1
    .00242889 -.11547906
                        .06972916
// Show coefficients' variance-covariance matrix
matrix covmat = e(V)
                 hat: cstutorcs
symmetric covmat[4,4]
            age
                     south
                              c_city
                                         _cons
       2.399e-07
  age
south -9.321e-08
                .00003756
c_city 2.739e-07 -6.147e-07
                            .00004085
cons -7.578e-06 -.00001244
                           -.00002226
                                      .00025953
```

Extensions 1 - _variables

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• _n refers to the observation number:

```
sprt/school

settings://tutores.com

replace id_in_school = id_in_school[_n-1] + 1 ///

if school == school[_n-1]
```

- cons refers to the constant term in a regression in the week. CStutorcs
- _N contains the total number of observations in the dataset

The relevant help file is help _variables.

Extensions 3 - while and if

if - up until now we used if as an argument of commands, to let them know which observations to work on. if can also be used to control the flow Pithe program - especially inside lopps. The program - especially inside lopps.

while - in addition to foreach and forvalues sometimes we don't know in advance how many iterations we will need. We just need to loop as long as some condition holds (for example, as long as we haven't reached convergence).

Extensions 3 - while and if

But be careful with whiles, because if the condition will not be satisfied, you will enter Project Exam Help Usually, it's preferable to use some maximum number of

iterations, in case there is some probability the usual condition

```
will not work:

https://tutorcs.com

local converged = 0

local iter = 0

local max_iter = 800

while workinged a track of the process of the convergence of the conv
```

```
// Commands that do someoning and check indepen conv

// was achieved. If convergence was achieved it does

// local converged = 1

local iter = 'iter' + 1
```

Extensions 3 - while and if

But then, if we're already counting iterations, we might as well

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continue, without the break option, stops the execution of the *current* iteration and goes on to the next iteration. With the break option it exits the loop altogether.

Assignment and roject Exama Help serves as an extension to the generate command.

Very heeful in panel data and in any other hierarichal data:

• Studen -level data with class-, school- and/or city-level

- Student-level data with class-, school- and/or city-level variables.
- Any other individual level data with some observations group a variation feet tutores
 - But uses extend to non-group-related tasks too.

egen - Syntax

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```
egen <new varname> = <function>(<expression>) [, ... by (<varlist>)]
```

Anothrtapts dother to the second

```
bysort <variables>: egen <new variable> = <function>(<expression>) [, ... ]
```

• The finetical we specify in < function; will determine what egen will do. Each function is like a different domain addessed the gibthey all begin with egen

We will now go over main functions.

"Vertical" egen functions - mean()

To create a variable containing the mean of another variable we can do:

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But if you want to create a variable containing the mean of another without egen.

```
egen meangpainyear = mean(gpa), by(year)
```

Example: Condition such Shary to Dave Sth year and cohort and you want to get the GPAs demeaned of the cohort-year mean GPA (for the class of 2012 in year 2010):

```
egen mean_gpa_in_cohort_year = mean(gpa), by(year cohort)
gen gpa_demeaned = gpa - mean_gpa_in_cohort_year
drop mean_gpa_in_cohort_year
```

"Vertical" egen functions - sum(), min(), max()

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```
And when you want the minimum of maximum within a g

// For a dataset with children that can be grouped to families.

egen yourgest scoring age = min(age) , by(familyid)

// For a dataset of basketball statistics per team, player, game.

egen highest_score_player = max(points), by(playerid)

egen highest_score_team = max(points), by(teamid)

egen highest_score_player_team = max(points), by(playerid teamid)
```

egen total_tax_in_county_year = sum(tax), by(state county year)

Example: Transferring a variable to the [0,1] range

Using a within-group maximum and minimum

gen norm wage f = (wage - min wage f) / by (firm)

htyps://tutorcs.com

employee max w... min w... norm wage... (norm wage... after replace) Chat 15.0 Stutorcs

| 6 | 2 | 7,000 | 15,000 | 7,000 | 0 |
|----|---|--------|--------|--------|-----|
| 7 | 2 | 15,000 | 15,000 | 7,000 | |
| 8 | 3 | 10,000 | 10,000 | 10,000 | 100 |
| 9 | 3 | 10,000 | 10,000 | 10,000 | |
| 10 | 3 | 10,000 | 10,000 | 10,000 | |
| | 4 | | | | |

| .375 | | | | |
|------|--|--|--|--|
| 0 | | | | |
| 1 | | | | |
| .5 | | | | |
| .5 | | | | |
| .5 | | | | |

replace norm wage f if norm wage f == "Vertical" egen functions - count()

Assignmentu Brojects Examth Help

egen shittps://tuttores.come class)

If you're interested in counting the number of observations, regardless of missing values, try to count _cons or _n. Every observation fines _ os _ in Crist in constitution.

```
egen studentsinclass = count(_n), by(school grade class)
```

"Horizontal" egen functions

We sometimes want to do the sum, mean, count, min and max across variables for each observation, rather than across

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```
// suppose each is a judge score

egen disagraement = r/wkg(evaluation1 evaluation2 evaluation3)

// suppose each is dummy for attendance at day

egen full_attendance = rowmin(mon tue wed thu fri)
```

Two reasons for preferring egen rowtotal() and egen rowmean() over the simple gen with the respective formula:

- egen ignores missing values. If you specify two or more variables and some
 of them are missing, the sum or mean will be calculated only for the
 nonmissing values.
- egen can get varlists for example: evaluation_* or mon-fri.

reshape

Suppose you have observations in a two-dimensional dataset.

For example, "panel" data with state and year.

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Some of the variables $-X_i$ are common to all observations of the same upon i (stated to Sare 1) tan ousehold income in the survey). Others $-X_{ij}$ – are changing with members j within the group i.

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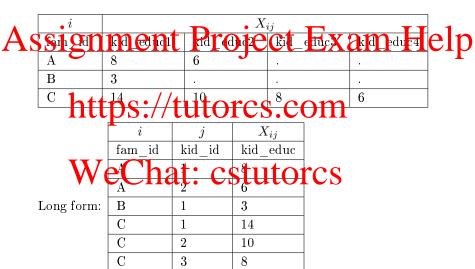
| Form | Each obs is | Member-level variables (X_{ij}) |
|------|-----------------------|-----------------------------------|
| Wide | Group (i) | Appear $\max(j)$ times |
| Long | Group-member (i, j) | Appear just once |

reshape

Wide form:

C

4



6

reshape

Panel commands usually work with long forms. Wide forms are ugly and inefficient. However, you sometimes get your data in

ssignment Project Exam Help reshape allows you to go from wide to long form or the other

way around. The simple syntax:

Where stubname is the part of the variable that is not changing between members. In our case: kid_educ.

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Examples:

```
// From wide to long
reshape long kideduc, i(famid) j(kidid)
// From long to wide
reshape wide kideduc, i(famid) j(kidid)
```