

# Research assignment 2

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[Gender Differences in Social Capital]

[February 19, 2020]

## 1. Write a paragraph about your hypotheses

[Your answer here should explain:

1. What are your dependent variables? Why do they interest you?
2. What are your independent variables? What direction to you hypothesize will be the relationship between your dependent variable and your dependent variables?
3. Why do you think your dependent variables are associated with your independent variables?
4. What are your control variables? Do you think they will show any spurious, intervening, or interactive relationships? Why?] The dependent variable in my research project is social capital. The concept of social capital interests me because it has been a framework used to explain why some students do better in school than others. Most of the research I have read focuses on K-12 students. I want to explore what social capital looks like when they leave the K-12 system. My independent variable is gender. I hypothesize that women have more social capital than men due to helping their parents navigate the US. My opposing hypothesis would be that men have more social capital than women due to a woman's family asking her to go home more often. There is an association between dependent and independent variables because all students come in with a certain level of social capital. It would be interesting to look at the difference among men and women. The control variables of this study are immigration status, race, and maybe socioeconomic status. I think my control variables are going to show an interactive relationship because a student coming from an affluent immigrant Latinx family may have higher levels of social capital.

# 1. Setting up your session

In the code cell below, do the following:

1. set current directory
2. set more off
3. create log file
4. download the data from its source if it's available online
5. read the data in [preferably only variables you are going to use]

In [15]:

```
clear
```

In [16]:

```
cd C:\Users\Jovis\Desktop\SOC_211
```

```
C:\Users\Jovis\Desktop\SOC_211
```

In [17]:

```
set more off
```

In [19]:

```
log using C:\Users\Jovis\Desktop\SOC_211\Assignment2.log, replace
```

```
file C:\Users\Jovis\Desktop\SOC_211\Assignment2.log cannot be modified or erased; likely cause is read-only directory or file
```

```
r(608);
```

In [20]:

```
use "UCUES", clear
```

## 2. Browse the data

Do the following in separate cells. Do do these in separate cells, you will need to use the right click "split cell" option:

1. Use "describe" to print details about the dataset
2. Print the heads and tables of the data using the appropriate magic
3. label the unique identifier variable
4. Generate a frequency table to show the N for each unit of time if there is data for multiple units in time
5. Check for missing data overall and within key categories of analysis (time, independent or dependent variable categories, etc)
6. use summarize to create a table with summary statistics for each variable you plan to analyze

In [21]:

```
describe
```

Contains data from UCUES.dta

obs: 26,978

vars: 549

8 Feb 2020 13:30

variable name	storage type	display format	value label	variable label
id	float	%9.0g		
campus	str16	%16s		Campus name
_merge	byte	%23.0g	_merge	
cisfemale2	float	%9.0g	cisfemale2	Cisfemale
genderqueer2	float	%9.0g	genderqueer2	Genderqueer
cismale2	float	%9.0g	cismale2	Cismale
hispanic_1num~c	long	%8.0g	YNCS	Hispanic
amerindian_1n~c	long	%8.0g	YNCS	American Indian
asian_1numeric	long	%8.0g	YNCS	Asian
africanameric~c	long	%8.0g	YNCS	African American
pacificisland~c	long	%8.0g	YNCS	Native Hawaiian or Pacific Islander
white_1numeric	long	%8.0g	YNCS	White
declinetostate	str1	%1s		Blank or decline to state
hispanic_1	str1	%1s		Hispanic
amerindian_1	str1	%1s		American Indian
asian_1	str1	%1s		Asian
africanameric~1	str1	%1s		African American
pacificisland~1	str1	%1s		Native Hawaiian or Pacific Islander
white_1	str1	%1s		White
finished	byte	%8.0g	FINISHED	Indicator of finished survey
resident	str1	%1s		Resident status
status	byte	%8.0g	STATUS	Matriculation status in supplemental file
EVAL_MAJOR	str1	%1s		Indicator of major evaluation
MAJOR_TEXT1	strL	%9s		Name of first major
MAJOR_TEXT2	strL	%9s		Name of second major
COLLEGE_CODE1	str4	%4s		College code of first major
COLLEGE_NAME1	strL	%33s		College name of first major
MAJOR_CODE1	str5	%9s		Code of first major
CIP_CODE1	str6	%6s		CIP code of first major
COLLEGE_CODE2	str4	%4s		College code of second major

COLLEGE_NAME2	strL	%33s		College name of second major
MAJOR_CODE2	str5	%9s		Code of secondmajor
CIP_CODE2	str6	%6s		CIP code of secondmajor
MOD_ASSIGN	byte	%8.0g	MOD_ASSI	Module assignment
level	byte	%8.0g	LEVEL	Class level (3rd week data)
year	int	%8.0g		Year of first registration
TERM1	byte	%8.0g	TERM1	Term of first registration
NATIVE_UNITS	double	%12.0g		* The sum of the units completed to date toward the degree as of
the end of the la				
gender	str1	%1s		Gender in supplemental file
NONRESIDENT_A~N	str3	%9s		* Attending college on an education visa (Arrival-Departure Recor
d from I-94, Temp				
ETHNICITY_LOC	str5	%5s		Ethnicity Code (IPEDS definition)
ETHNICITY_UC9~T	str17	%17s		Ethnicity Code (9 categories)
ETHNICITY_UC1~T	str21	%21s		Ethnicity Code (13 categories)
age	byte	%8.0g		Age on April 15, 2016
INDEPENDENT_S~T	byte	%8.0g		Student financial independency for financial aid purposes
HSGPA_CALC	double	%12.0g		High school GPA, weighted (if available for new from high schoo
l matriculants)				
HSGPA_UNW	double	%12.0g		High school GPA, unweighted (if available for new from high sch
ool matriculants)				
CUMGPA_NATIVE	double	%12.0g		* Cumulative GPA at campus (not transfer) at start of data collec
tion term (if ava				
rucchllngclsdis	byte	%8.0g	RUCCHLLN	During this year, how often have you- Contributed to a class di
scussion				
rucchllngdifcls	byte	%8.0g	V40_A	* During this year, how often have you- Brought up ideas or conce
pts from differen				
rucchllngaskin	byte	%8.0g	V41_A	During this year, how often have you- Asked an insightful quest
ion in class				
rucchllngintrst	byte	%8.0g	V42_A	* During this year, how often have you- Found your courses so int
eresting that you				
RUCFCLTYDI~2016	byte	%8.0g	RUCFCLTY	* During this year, how often have you- Communicated with the ins
tructor outside o				
rucchllngpresnt	byte	%8.0g	V44_A	During this year, how often have you- Made a class presentation
rucchllngname	byte	%8.0g	V45_A	* During this year, how often have you- Had a class in which the
professor knew or				
RUCFCLTYSM~2016	byte	%8.0g	V46_A	* How frequently have you engaged -Taken a small research-oriente
d seminar with fa				
RUCCHLLNGC~2016	byte	%8.0g	V47_A	How frequently have you engaged -Chosen challenging courses
RUCFCLTYOT~2016	byte	%8.0g	V48_A	* How frequently have you engaged -Worked with a faculty member o
n an activity oth				
ruclateassign	byte	%8.0g	RUCLATEA	How frequently have you -Turned in a course assignment late
rucclassunprep	byte	%8.0g	RUCCLASS	How frequently have you -Gone to class unprepared

rucskippedclass	byte	%8.0g	RUCSKIPP	How frequently have you -Skipped class
rucincreaseeff~t	byte	%8.0g	RUCINCRE *	How frequently have you -Increased your academic effort due to the high standard
RUCREVISED~2016	byte	%8.0g	RUCREVIS *	How frequently have you -Substantially revised a paper before submitting it to b
rucoughthelp	byte	%8.0g	RUCSOUGH *	How frequently have you -Sought academic help from instructor or tutor when need
rucstudygroup	byte	%8.0g	RUCSTUDY	How frequently have you -Studied as a group with classmates outside of class
RUCCLASSPR~2016	byte	%8.0g	V56_A *	How frequently have you -Worked on class projects with classmates outside of class
ruhelpedmate	byte	%8.0g	RUCHELPE *	How frequently have you -Helped a classmate better understand the course material
rucamountread	byte	%8.0g	RUCAMOUN *	On average, how much of your assigned course reading have you completed this academic year?
ruetimepaidon	double	%9.0g		How many hours -Paid employment (including internships) on campus?
ruetimepaidoff	double	%12.0g		How many hours -Paid employment (including internships) off campus?
ruetimepaidin	double	%8.0g		* Of your total hours spent working for pay, about how many hours were related to
ruetimeclass	byte	%8.0g	RUETIMEC	How many hours -Attending classes, discussion sections, or labs
ruetimestudy	byte	%8.0g	RUETIMES	How many hours -Studying and other academic activities outside of class
ruetimeentert~n	byte	%8.0g	RUETIMEE *	How many hours -Attending cultural events, movies, concerts, sports or other entertainment
ruetimecommsrv	byte	%8.0g	V65_A	How many hours -Performing community service or volunteer activities
ruetimeexercise	byte	%8.0g	V66_A *	How many hours -Participating in physical exercise, recreational sports, or physical activities
ruetimespirit	byte	%8.0g	V67_A	How many hours -Participating in spiritual or religious activities
ruetimeclub	byte	%8.0g	V68_A	How many hours -Participating in student clubs or organizations
ruetimefriend	byte	%8.0g	RUETIMEF	How many hours -Socializing with friends
ruetimeparty	byte	%8.0g	V70_A	How many hours -Partying
ruetimefamily	byte	%8.0g	V71_A	How many hours -Spending time with family
ruetimeinternet	byte	%8.0g	RUETIMEM *	How many hours -Spending time on entertainment from television, internet, and other media
ruetimesleep	byte	%8.0g	V73_A *	During this academic year, what was the average number of hours per night you slept
RUCFIRSTYR~2016	byte	%8.0g	RUCFIRST	Completed-First-year seminar
RUCLRNCOMM~2016	byte	%8.0g	RUCLRNCO *	Completed-Learning community (taking two or more linked classes with the same coordinator)

RUCLIVELEA~2016	byte	%8.0g	RUCLIVEL	* Completed-Living-learning program(s) (where students with common interests live
RUCWRITEIN~2016	byte	%8.0g	RUCWRITE	Completed-Writing-intensive/enriched course(s)
RUCDVRSTYT~2016	byte	%8.0g	RUCDVRST	* Completed-Academic experiences with a diversity (e.g., race, gender, sexual orientation, etc.)
RUCCAPSTONE2016	byte	%8.0g	RUCCAPST	Completed-Capstone or thesis project(s)
RUCSERVICE~2016	byte	%8.0g	RUCSERVI	Completed-Academic service learning or community-based learning experience
rucinterncred	byte	%8.0g	RUCINTER	Completed-Credit bearing internship, practicum, or field experience
rucinternnoncred	byte	%8.0g	V82_A	Completed-Non-credit bearing internship, practicum, or field experience
RUCHONORSP~2016	byte	%8.0g	RUCHONOR	Completed-Honors program
rucleadership	byte	%8.0g	RUCLEADE	Completed-Leadership program
rucentrepren	byte	%8.0g	RUCENTRE	Completed-Entrepreneurial program
RUCCOURSEG~2016	byte	%8.0g	RUCCOURS	Completed-On campus academic experiences with an international/global focus
rucstudyabroad	byte	%8.0g	V87_A	* Completed-Study abroad—academically-focused time outside of the U.S. in which
RUCCMPLTDR~2014	byte	%8.0g	RUCCMPLT	* Currently doing or have completed-A research project or research paper as part of
rucmethods	byte	%8.0g	RUCMETHO	Currently doing or have completed-At least one research methods course
RUCRES199	byte	%8.0g	RUCRES19	Currently doing or have completed-At least one independent study course
RUCRESFAC2016	byte	%8.0g	RUCRESFA	Currently doing or have completed-Assist faculty in conducting research
RUCCREATACT2016	byte	%8.0g	RUCCREAT	Currently doing or have completed-A creative project as part of your coursework
RUCCREATFAC2016	byte	%8.0g	V93_A	Currently doing or have completed--Assist faculty with their creative project
RUCRESUNDF~2018	byte	%8.0g	RUCRESUN	Currently doing or have completed-Conduct own research under faculty guidance
RUCRESWIHF~2018	byte	%8.0g	RUCRESWI	Currently doing or have completed-Conduct own research without faculty guidance
RUCRESEARC201~1	byte	%8.0g	RUCRESEA	Nature of assistance with research - As a research participant
RUCRESEARC201~2	byte	%8.0g	V97_A	Nature of assistance with research - As a research assistant
RUCRESEARC201~3	byte	%8.0g	V98_A	Nature of assistance with research - Other
RUCRESEARC201~T	strL	%54s		Nature of assistance with research - please specify
RUCRESEARD201~1	byte	%8.0g	V100_A	Assist with research - Course credit without pay
RUCRESEARD201~2	byte	%8.0g	V101_A	Assist with research - Pay without course credit
RUCRESEARD201~3	byte	%8.0g	V102_A	Assist with research - Pay with course credit
RUCRESEARD201~4	byte	%8.0g	V103_A	Assist with research - Volunteer without pay or course credit



RUCRESCREATE2~1	byte	%8.0g	RUCRESCR	Assist with creative project - Course credit without pay
RUCRESCREATE2~2	byte	%8.0g	V105_A	Assist with creative project - Pay without course credit
RUCRESCREATE2~3	byte	%8.0g	V106_A	Assist with creative project - Pay with course credit
RUCRESCREATE2~4	byte	%8.0g	V107_A	Assist with creative project - Volunteer without pay or course credit
RUCRESRULT201~1	byte	%8.0g	RUCRESRU	* Results of research or creative project - Through presenting/exhibiting/performance
RUCRESRULT201~2	byte	%8.0g	V109_A	* Results of research or creative project - Through presenting/exhibiting/performance
RUCRESRULT201~3	byte	%8.0g	V110_A	* Results of research or creative project - Through publishing in a peer-reviewed journal
RUCRESRULT201~4	byte	%8.0g	V111_A	* Results of research or creative project - Through publishing in a campus or student newspaper
RUCRESRULT201~5	byte	%8.0g	V112_A	* Results of research or creative project - Through publishing in an electronic format
RUCRESRULT201~6	byte	%8.0g	V113_A	Results of research or creative project - Other ways
RUCRESRULT201~T	string	%256s		Results of research or creative project - Other ways, please specify
RUCINAPPOT~2016	byte	%8.0g	RUCINAPP	How often in classroom-Appreciate the world from someone else's perspective
RUCXAPPOT~2016	byte	%8.0g	RUCXAPP	How often outside classroom-Appreciate the world from someone else's perspective
RUCINOTHVI~2016	byte	%8.0g	RUCINOTH	* How often in classroom-Interact with someone with views that are different from yours
RUCXOTHVI~2016	byte	%8.0g	RUCXOTH	* How often outside classroom-Interact with someone with views that are different from yours
RUCINCNTRV~2016	byte	%8.0g	RUCINCNT	How often in classroom-Discuss and navigate controversial issues
RUCXCNTRV~2016	byte	%8.0g	RUCXCNT	How often outside classroom-Discuss and navigate controversial issues
rucmyrace	byte	%8.0g	RUCMYRAC	Agree or disagree-Students of my race/ethnicity are respected on this campus
rucmyses	byte	%8.0g	RUCMYSES	* Agree or disagree-Students of my socio-economic status are respected on this campus
rucmygender	byte	%8.0g	RUCMYGEN	Agree or disagree-Students of my gender are respected on this campus
rucmyreligion	byte	%8.0g	RUCMYREL	Agree or disagree-Students of my religious beliefs are respected on this campus
rucmypolitics	byte	%8.0g	RUCMYPOL	Agree or disagree-Students of my political beliefs are respected on this campus
rucmysex	byte	%8.0g	RUCMYSEX	Agree or disagree-Students of my sexual orientation are respected on this campus
RUCMYIMMIG~2014	byte	%8.0g	RUCMYIMM	* Agree or disagree-Students of my immigration background are respected on this campus

pected on this ca				
RUCMYDISAB~2018	byte	%8.0g	RUCMYDIS	* Agree or disagree-Students with a disability or condition like
mine are respecte				
rucclimate	byte	%8.0g	RUCCLIMA	* Select level of agreement- Overall, I feel comfortable with the
climate for dive				
rucclimatema	byte	%8.0g	V130_A	* Select level of agreement- Overall, I feel comfortable with the
campus climate f				
rucclimatecl	byte	%8.0g	V131_A	* Select level of agreement- Overall, I feel comfortable with the
climate for dive				
ruccsafesecure	byte	%8.0g	RUCSAFES	Select level of agreement- UC [CAMPUS] is a safe and secure cam
pus				
rucwelcome	byte	%8.0g	RUCWELCO	Select level of agreement- UC [CAMPUS] is a welcoming campus
RUCMJR1EVAL	str1	%1s		Please select your major to evaluate from the following list.
RUCMJR1EVALOTH	strL	%43s		
RUCMAJOR1COLL~E	str6	%6s		Other Major Text
RUCMAJOR1TEXT	strL	%32s		Other Major CIP
maforevaluated	strL	%32s		Major evaluated
maforevaluate~p	str6	%6s		CIP of the major evaluated
RUC1MJRCURIOSTY	byte	%8.0g	RUC1MJRC	Factors important in deciding major-Intellectual curiosity
RUC1MJRHIGHPAY	byte	%8.0g	RUC1MJRH	Factors important in deciding major-Leads to a high paying job
RUC1MJRFULFILL	byte	%8.0g	RUC1MJRF	Factors important in deciding major-Prepares me for a fulfillin
g career				
RUC1MJRPARENTS	byte	%8.0g	RUC1MJRP	Factors important in deciding major-Parental/family desires
RUC1MJRPRESTIGE	byte	%8.0g	V144_A	Factors important in deciding major-Prestige
RUC1MJR2CHOICE	byte	%8.0g	RUC1MJR2	Factors important in deciding major-Could not get into my first
choice of major				
RUC1MJRGRADSCHL	byte	%8.0g	RUC1MJRG	Factors important in deciding major-Prepares me for graduate/pr
ofessional school				
RUC1MJROTHER	byte	%8.0g	RUC1MJRO	Factors important in deciding major-Other, please elaborate
RUC1MJROTHER_~T	strL	%176s		Factors important in deciding major-Other, please elaborate-TEX
T				
RUC1MJRREC~2016	byte	%8.0g	RUC1MJRR	Required in major?-Recognize or recall specific facts, terms, a
nd concepts				
RUC1MJREXP~2016	byte	%8.0g	RUC1MJRE	* Required in major?-Explain methods, ideas, or concepts and use
them to solve pro				
RUC1MJRANA~2016	byte	%8.0g	RUC1MJRA	* Required in major?-Break down material into component parts or
arguments into as				
RUC1MJREVA~2016	byte	%8.0g	V152_A	* Required in major?-Judge the value of information, ideas, actio
ns, and conclusio				
RUC1MJRGEN~2016	byte	%8.0g	V153_A	* Required in major?-Create or generate new ideas, products, or w
ays of understand				
rucrecall	byte	%8.0g	RUCRECAL	Required in courses?-Recognize or recall specific facts, terms,
and concepts				

rucexplain	byte	%8.0g	RUCEXPLA	* Required in courses?-Explain methods, ideas, or concepts and use them to solve problems
rucanalyzing	byte	%8.0g	RUCANALY	* Required in courses?-Break down material into component parts or arguments into
rucevaluation	byte	%8.0g	RUCEVALU	* Required in courses?-Judge the value of information, ideas, actions, and conclusions
rucgeneration	byte	%8.0g	RUCGENER	* Required in courses?-Create or generate new ideas, products, or ways of understanding
RUC1MJRUSE~2016	byte	%8.0g	RUC1MJRU	Done the following in major?-Used facts and examples to support your viewpoint
RUC1MJRSYN~2016	byte	%8.0g	RUC1MJRS	* Done the following in major?-Incorporated ideas or concepts from different courses
RUC1MJREXA~2016	byte	%8.0g	V161_A	* Done the following in major?-Examined how others gathered and interpreted data
RUC1MJRREA~2016	byte	%8.0g	V162_A	* Done the following in major?-Reconsidered your own position on a topic after assessment
rucusedfacts	byte	%8.0g	RUCUSED	Done the following in courses?-Used facts and examples to support your viewpoint
rucsynthesis	byte	%8.0g	RUCSYNTH	* Done the following in courses?-Incorporated ideas or concepts from different courses
rucexamined	byte	%8.0g	RUCEXAMI	* Done the following in courses?-Examined how others gathered and interpreted data
rucreassess	byte	%8.0g	RUCREASS	* Done the following in courses?-Reconsidered your own position on a topic after assessment
RUC1MJRCOHERENT	byte	%8.0g	V167_A	* Do you understand how the requirements of your major combine to produce a coherent program?
RUC1MJRREQUIRE	byte	%8.0g	V168_A	Are the program requirements well defined?
RUC1MJRCLRRULES	byte	%8.0g	V169_A	Are department rules and policies clearly communicated?
RUC1MJRCATALOG	byte	%8.0g	V170_A	Is the description of the major in the catalog accurate?
RUC1MJROPEN	byte	%8.0g	V171_A	* How often?-Open channels of communication between faculty and students regarding
RUC1MJRFAIR	byte	%8.0g	V172_A	How often?-Students treated equitably and fairly by the faculty
RUC1MJRPLA~2016	byte	%8.0g	V173_A	How often?-Clear explanation of what constitutes plagiarism
RUC1MJRFEEDBACK	byte	%8.0g	V174_A	How often?-Faculty providing prompt and useful feedback on student work
RUC1MJRFACRESP	byte	%8.0g	V175_A	How often?-Faculty maintaining respectful interactions in classes
RUC1MJRACTPART	byte	%8.0g	V176_A	* How often?-Opportunities for active participation in lecture and discussion classes
RUC1MJRENTHUSE	byte	%8.0g	V177_A	How often?-An instructor who increases your enthusiasm for the subject
RUC1MJRVARIETY	byte	%8.0g	RUC1MJRV	How satisfied?-Variety of courses available in your major
RUC1MJRLDQUAL	byte	%8.0g	RUC1MJRL	How satisfied?-Quality of lower-division courses in your major

RUC1MJRUDQUAL	byte	%8.0g	V180_A	How satisfied?-Quality of upper-division courses in your major
RUC1MJRCOMM	byte	%8.0g	V181_A	How satisfied?-Communication between students and the department
RUC1MJRFACADVC	byte	%8.0g	V182_A	How satisfied?-Academic advising by faculty
RUC1MJRCOLADVC	byte	%8.0g	V183_A	How satisfied?-Academic advising by school or college staff
RUC1MJRDEPADVC	byte	%8.0g	RUC1MJRD	How satisfied?-Academic advising by departmental staff
RUC1MJRFACINST	byte	%8.0g	V185_A	How satisfied?-Quality of faculty instruction
RUC1MJRTAINST	byte	%8.0g	RUC1MJRT	How satisfied?-Quality of teaching by graduate students (TAs, AIs)
RUC1MJRGEAVAIL	byte	%8.0g	V187_A	* How satisfied?-Availability of courses for general education or breadth requirement
RUC1MJRCRSAVAIL	byte	%8.0g	V188_A	How satisfied?-Availability of courses needed for graduation
RUC1MJRSMCLCLASS	byte	%8.0g	V189_A	How satisfied?-Access to small classes
RUC1MJRFACACCESS	byte	%8.0g	V190_A	How satisfied?-Access to faculty outside of class
RUC1MJRGETMJR	byte	%8.0g	V191_A	How satisfied?-Ability to get into a major that you want
RUC1MJRRESOPP	byte	%8.0g	V192_A	* How satisfied?-Opportunities for research experience or to produce creative product
RUC1MJRENRI	byte	%8.0g	V193_A	* How satisfied?-Educational enrichment programs (e.g., service-learning, study abroad)
RUC1MJRLIBRES	byte	%8.0g	V194_A	How satisfied?-Availability of library research resources
RUCPROF1RE	byte	%8.0g	RUCPROF1	* How many professors do you know well enough to ask for a letter of recommendation?
ruccorg	byte	%8.0g	RUCCORG	Have you been or are you currently involved in a student organization(s)?
ruccorgofc	byte	%8.0g	V197_A	Are you or have you been an officer of a student organization?
RUCCCLCHAI~2016	byte	%8.0g	RUCCCLCH	How often-Chaired a meeting
RUCCCLPLAN~2016	byte	%8.0g	RUCCCLPL	How often-Planned an event
RUCCCLPROMO2016	byte	%8.0g	RUCCCLPR	How often-Promoted or marketed an event
RUCCCLDISC~2016	byte	%8.0g	RUCCCLDI	How often-Led or facilitated a discussion
RUCCCLRECR~2016	byte	%8.0g	RUCCCLRE	How often-Recruited new members for the organization/club
RUCCCLMEDI~2016	byte	%8.0g	RUCCCLME	How often-Mediated a dispute
RUCCCLORG2016	byte	%8.0g	RUCCCLOR	* How often-Partnered with a community organization or organized community outreach
ruccclbudget	byte	%8.0g	RUCCCLBU	How often-Developed a budget
rucccldelegate	byte	%8.0g	RUCCCLDE	How often-Delegated tasks to others
RUCDEPEND2016	byte	%8.0g	RUCDEPEN	How important student orgs have been-Becoming more dependable and reliable
RUCRESOLVE2016	byte	%8.0g	RUCRESOL	How important student orgs have been-Learning how to resolve disputes
RUCOTHERS2016	byte	%8.0g	RUCOTHER	* How important student orgs have been-Developing an ability to work with others
RUCORGANIZE2016	byte	%8.0g	RUCORGAN	* How important student orgs have been-Developing your knowledge of how organizations work

RUCCOMPETE2016	byte	%8.0g	RUCCOMPE *	How important student orgs have been-Understanding how to succe
ed in competitive				
RUCORALPRES2016	byte	%8.0g	RUCORALP	How important student orgs have been-Developing oral presentati
on skills				
RUCNETWORK2016	byte	%8.0g	RUCNETWO	How important student orgs have been-Developing networking skil
ls				
rucwriting	byte	%8.0g	RUCWRITI	How important student orgs have been-Developing writing skills
RUCSKILLCRIT_~1	byte	%8.0g	RUCSKILL	WHEN YOU STARTED HERE-Analytical and critical thinking skills
RUCSKILLCRIT_~2	byte	%8.0g	V216_A	NOW-Analytical and critical thinking skills
RUCSKILLWRITE~1	byte	%8.0g	V217_A	WHEN YOU STARTED HERE-Ability to be clear and effective when wr
iting				
RUCSKILLWRITE~2	byte	%8.0g	V218_A	NOW-Ability to be clear and effective when writing
RUCSKILLREAD_~1	byte	%8.0g	V219_A	WHEN YOU STARTED HERE-Ability to read and comprehend academic m
aterial				
RUCSKILLREAD_~2	byte	%8.0g	V220_A	NOW-Ability to read and comprehend academic material
RUCSKILLMJR_M~1	byte	%8.0g	V221_A	WHEN YOU STARTED HERE-Understanding your field of study (i.e.,
college major)				
RUCSKILLMJR_M~2	byte	%8.0g	V222_A	NOW-Understanding your field of study (i.e., college major)
RUCSKILLMATH_~1	byte	%8.0g	V223_A	WHEN YOU STARTED HERE-Quantitative (mathematical and statistica
l) skills				
RUCSKILLMATH_~2	byte	%8.0g	V224_A	NOW-Quantitative (mathematical and statistical) skills
RUCSKILLSPEAK~1	byte	%8.0g	V225_A	WHEN YOU STARTED HERE-Oral communication skills
RUCSKILLSPEAK~2	byte	%8.0g	V226_A	NOW-Oral communication skills
RUCSKILLNTRNT~1	byte	%8.0g	V227_A	WHEN YOU STARTED HERE-Ability to understand international perse
pectives				
RUCSKILLNTRNT~2	byte	%8.0g	V228_A	NOW-Ability to understand international persepectives
RUCSKILLLEAD_~1	byte	%8.0g	V229_A	WHEN YOU STARTED HERE-Leadership skills
RUCSKILLLEAD_~2	byte	%8.0g	V230_A	NOW-Leadership skills
RUCSKILLLRES_~1	byte	%8.0g	V231_A	WHEN YOU STARTED HERE-Library and online information research s
kills				
RUCSKILLLRES_~2	byte	%8.0g	V232_A	NOW-Library and online information research skills
RUCSKILLPRSNT~1	byte	%8.0g	V233_A	WHEN YOU STARTED HERE-Ability to prepare and make a presentatio
n				
RUCSKILLPRSNT~2	byte	%8.0g	V234_A	NOW-Ability to prepare and make a presentation
RUCSKILL_RSRCH1	byte	%8.0g	V235_A	WHEN YOU STARTED HERE-Ability to design, conduct, and evaluate
research				
RUCSKILL_RSRCH2	byte	%8.0g	V236_A	NOW-Ability to design, conduct, and evaluate research
RUCSKILLSOC_S~1	byte	%8.0g	V237_A	WHEN YOU STARTED HERE-Interpersonal skills
RUCSKILLSOC_S~2	byte	%8.0g	V238_A	NOW-Interpersonal skills
rucsatgpa	byte	%8.0g	RUCSATGP	Please rate your level of satisfaction- grade point average
rucsatsocial	byte	%8.0g	RUCSATSO	Please rate your level of satisfaction-Overall social experienc
e				
rucsatacademic	byte	%8.0g	RUCSATAAC	Please rate your level of satisfaction-Overall academic experie

nce				
rucsatvalue	byte	%8.0g	RUCSATVA	* Please rate your level of satisfaction-Value of your education for the price you
rucagreeindval	byte	%8.0g	RUCAGREE	Agree or disagree-I feel valued as an individual at this institution
rucagreebelong	byte	%8.0g	V244_A	Agree or disagree-I feel that I belong at this university
rucagreeeenrll	byte	%8.0g	V245_A	* Agree or disagree-Knowing what I know now, I would still choose to enroll at thi
rucagreegrp	byte	%8.0g	V246_A	* Agree or disagree-At UC [CAMPUS], I have been excluded from study groups because
rucagreechn	byte	%8.0g	V247_A	* Agree or disagree-Channels for expressing discrimination or harassment complaint
rucagreeadm	byte	%8.0g	V248_A	* Agree or disagree-Top campus administrators are genuinely committed to promoting
rucagreefac	byte	%8.0g	V249_A	* Agree or disagree-Faculty are genuinely committed to promoting respect for and u
RUCSEMISCH~2018	byte	%8.0g	RUCSEMIS	Sexual misconduct agree or disagree - where to go to get help on campus
RUCSEMISCS~2018	byte	%8.0g	V251_A	Sexual misconduct agree or disagree - report be taken seriously
RUCSEMISCF~2018	byte	%8.0g	V252_A	Sexual misconduct agree or disagree - report be handled fairly
RUCSEMISCV~2018	byte	%8.0g	V253_A	Sexual misconduct how often - intervene when witness verbal misconduct
RUCSEMISCP~2018	byte	%8.0g	V254_A	Sexual misconduct how often - intervene when witness physical misconduct
RUCPATHHRD2018	byte	%8.0g	RUCPATHH	Three-year pathway - heard about the three-year pathways
RUCPATHLRN201~1	byte	%8.0g	RUCPATHL	Three-year pathway learn through - My advisor or an advising center
RUCPATHLRN201~2	byte	%8.0g	V257_A	Three-year pathway learn through - Freshman orientation
RUCPATHLRN201~3	byte	%8.0g	V258_A	Three-year pathway learn through - Campus website
RUCPATHLRN201~4	byte	%8.0g	V259_A	Three-year pathway learn through - Another student
RUCPATHLRN201~5	byte	%8.0g	V260_A	Three-year pathway learn through - A family member
RUCPATHLRN201~6	byte	%8.0g	V261_A	Three-year pathway learn through - Other
RUCPATHLRN201~T	strL	%9s		Three-year pathway learn through - Other TEXT
RUCPATHLIK2018	byte	%8.0g	V263_A	Three-year pathway - likelihood to graduate in three years
RUCPATHLWHYN2~1	byte	%8.0g	V264_A	* Three-year pathway why not likely to graduate in three years - Didn't know it
RUCPATHLWHYN2~2	byte	%8.0g	V265_A	* Three-year pathway why not likely to graduate in three years - Unable to enroll
RUCPATHLWHYN2~3	byte	%8.0g	V266_A	* Three-year pathway why not likely to graduate in three years - Need more than th
RUCPATHLWHYN2~4	byte	%8.0g	V267_A	* Three-year pathway why not likely to graduate in three years - Want more time fo
RUCPATHLWHYN2~5	byte	%8.0g	V268_A	* Three-year pathway why not likely to graduate in three years -

Need more time to			
RUCPATHLWHYN2~6	byte	%8.0g	V269_A Three-year pathway learn through - Other
RUCPATHLWHYN2~T	strL	%223s	Three-year pathway learn through - Other TEXT
RUCPATHATM2018	byte	%8.0g	RUCPATHA Three-year pathway - attempt to graduate in three years
RUCPATHUWHYN2~1	byte	%8.0g	RUCPATHU * Three-year pathway why not attempted to graduate in three years
- Didn't know			
RUCPATHUWHYN2~2	byte	%8.0g	V273_A * Three-year pathway why not attempted to graduate in three years
- Unable to enro			
RUCPATHUWHYN2~3	byte	%8.0g	V274_A * Three-year pathway why not attempted to graduate in three years
- Need more than			
RUCPATHUWHYN2~4	byte	%8.0g	V275_A * Three-year pathway why not attempted to graduate in three years
- Want more time			
RUCPATHUWHYN2~5	byte	%8.0g	V276_A * Three-year pathway why not attempted to graduate in three years
- Need more time			
RUCPATHUWHYN2~6	byte	%8.0g	V277_A Three-year pathway why not attempted to graduate in three years
- Other			
RUCPATHUWHYN2~T	str1	%1s	Three-year pathway why not attempted to graduate in three years
- Other TEXT			
RUCPOSTBAC~2014	byte	%8.0g	RUCPOSTB Which of the following BEST represents your plans for after gra
duation?			
RUCPOSTBACPLA~T	strL	%154s	Which of the following BEST represents your plans for after gra
duation? TEXT			
RUCASPIRJOB2016	byte	%8.0g	RUCASPIR * What career do you hope to eventually have after you have compl
eted your educati			
RUCASPIRJOB20~T	strL	%67s	* What career do you hope to eventually have after you have compl
eted your educati			
rucpostbacdgree	byte	%8.0g	V283_A * What is the highest academic degree or credential that you plan
to eventually ea			
RUCPOSTBACDGR~T	strL	%36s	* What is the highest academic degree or credential that you plan
to eventually ea			
RUCFOURYR2016	byte	%8.0g	RUCFOURY How important is it to you to graduate within four years after
starting college?			
ruccompleteba	byte	%8.0g	RUCCOMPL Will you complete a bachelor degree this spring or summer?
rucpaycncrnnow	byte	%8.0g	RUCPAYCN * How concerned have you been about paying for your undergraduate
education up to			
rucpaycncrnnxyr	byte	%8.0g	V288_A How concerned are you about paying for your undergraduate educa
tion next year?			
rucpayaccumdebt	byte	%8.0g	RUCPAYAC How concerned are you about your accumulated educational debt?
rucpell	byte	%8.0g	RUCPELL Have you ever received a Pell grant?
RUCSKIPMEAL2016	byte	%8.0g	RUCSKIPM How frequently -Skipped or cut the size of meals
ruccutspending	byte	%8.0g	RUCUTSP How frequently -Cut down on personal / recreational spending
rucwrryfamdebt	byte	%8.0g	RUCWRRYF How frequently -Worried about my debt and financial circumstanc

es

RUCFOODLAS2018	byte	%8.0g	RUCFOODL	* Food insecurity - The food that I bought just didn't last, and I didn't have
RUCFOODMEL2018	byte	%8.0g	RUCFOODM	Food insecurity - Couldn't afford to eat balanced meals
RUCFOODCUT2018	byte	%8.0g	RUCFOODC	Food insecurity - Cut the size of your meals or skip meals
RUCFOODLESS2018	byte	%8.0g	V297_A	Food insecurity - Eat less than you felt you should
RUCFOODSKIP2018	byte	%8.0g	RUCFOODS	Food insecurity - Hungry but did not eat
RUCFOODFRQ2018	byte	%8.0g	RUCFOODF	Food insecurity - How often cut the size of meal
rucexpfinaid	byte	%8.0g	RUCEXPFI	* Have you done this to meet expenses?-Applied for financial aid, scholarships, and
rucexpreeval	byte	%8.0g	RUCEXPRE	* Have you done this to meet expenses?-Asked financial aid office to reevaluate my
rucexpbooks	byte	%8.0g	RUCEXPBO	* Have you done this to meet expenses?-Bought fewer books, bought cheaper/used books
rucexploa	byte	%8.0g	RUCEXPLO	* Have you done this to meet expenses?-Took a leave of absence or a quarter/semester
rucexpcourse	byte	%8.0g	RUCEXPCO	Have you done this to meet expenses?-Took more courses per term
rucexpgrad	byte	%8.0g	RUCEXPGR	Have you done this to meet expenses?-Took action to graduate more quickly
rucexpretake	byte	%8.0g	V306_A	Have you done this to meet expenses?-Did not retake a class to improve grade
rucexpcomm	byte	%8.0g	V307_A	* Have you done this to meet expenses?-Took a community college course because it
rucexpjob	byte	%8.0g	RUCEXPJO	Have you done this to meet expenses?-Took a job for the first time at college
rucexphours	byte	%8.0g	RUCEXPHO	* Have you done this to meet expenses?-Worked before but increased the number of hours
rucexpdebt	byte	%8.0g	RUCEXPDE	* Have you done this to meet expenses?-Increased the debt I carry on my credit card
rucexploan	byte	%8.0g	V311_A	* Which of the following have you done this current academic year to meet college
rucexpoth	byte	%8.0g	RUCEXPOT	* Which of the following have you done this current academic year to meet college
RUCEXPOTH_TEXT	strL	%211s		* Which of the following have you done this current academic year to meet college
ruccostmanagble	byte	%8.0g	RUCCOSTM	* Given the grants and scholarships, if any, that you receive, the total cost of a
ruccosttxt	strL	%1020s		* How else has the cost of attendance affected your educational experience at UC [
rucimmigrantyr	byte	%8.0g	RUCIMMIG	When did you come to the United States to live?
rucageenglish	byte	%8.0g	RUCAGEEN	When did you learn to speak English?
rucmother	byte	%8.0g	RUCMOTHE	* Please identify where the following relatives were born.-My mother/Parent 1/Guardian
rucfather	byte	%8.0g	RUCFATHE	* Please identify where the following relatives were born.-My father



her/Parent 2/Guar				
rucparented	byte	%8.0g	RUCPAREN	* Which of the following best describes the educational experienc
e of your parents				
rucsocialclass	byte	%8.0g	RUCSOCIA	* Which of the following best describes your social class when yo
u were growing up				
rucfinanci	byte	%8.0g	RUCFINAN	Are you a financially independent student?
rucincdep	byte	%8.0g	RUCINCDE	* (depedent students) What is the total annual combined income of
your parents bef				
rucincindp	byte	%8.0g	RUCINCIN	* (independent students) What is your household total annual comb
ined income befor				
RUCRELIGIO2018	byte	%8.0g	RUCRELIG	What is your religious/spiritual preference?
RUCRELIGIO201~T	strL	%50s		What is your religious/spiritual preference? - Other TEXT
RUCDISPHY2018	byte	%8.0g	RUCDISPH	Physical disability or condition
RUCDISLRN2018	byte	%8.0g	RUCDISLR	Learning disability or condition
RUCDISCOG2018	byte	%8.0g	RUCDISCO	Cognitive disability or condition
RUCDISMNT2018	byte	%8.0g	RUCDISMN	Mental emotional disability or condition
RUCDISOTH2018	byte	%8.0g	RUCDISOT	Other disability or condition
RUCDISOTH2018~T	strL	%52s		Other disability or condition, TEXT
RUCDISACC2018	byte	%8.0g	RUCDISAC	Do you currently receive accommodations from campus?
RUCDISABIL2018	strL	%805s		* Anything else you would like to tell us about how your disabili
ty or condition a				
RUCGENID2018	byte	%8.0g	RUCGENID	What is your current gender identity?
RUCGENID2018~T	strL	%9s		What is your current gender identity? - If other TEXT
RUCBIRSEX2018	byte	%8.0g	RUCBIRSE	What sex were you assigned at birth, such as on an original bir
th certificate?				
RUCSEXORE2018	byte	%8.0g	RUCSEXOR	What is your current sexual orientation?
RUCSEXORE2018~T	strL	%9s		What is your current sexual orientation? - If other TEXT
rucgenexp	byte	%8.0g	RUCGENEX	* how do you think other people at school would describe your app
earance, style, d				
RUCPOLITCO~2016	byte	%8.0g	RUCPOLIT	How would you characterize your political orientation?
RUCPOLITCORIE~T	strL	%357s		How would you characterize your political orientation? TEXT
RUHOUSEC_1	byte	%8.0g	RUHOUSEC	Homeless-no
RUHOUSEC_2	byte	%8.0g	V344_A	Homeless-yes, during Fall-Spring academic year
RUHOUSEC_3	byte	%8.0g	V345_A	Homeless-yes, during Summer when taking classes
RUHOUSEC_4	byte	%8.0g	V346_A	Homeless-yes, during Summer when not taking classes
RUHOUSEC_5	byte	%8.0g	V347_A	Homeless-yes, during Winter break
rucresidnc	byte	%8.0g	RUCRESID	Where are you living this term?
RUCRESIDNC_7~T	strL	%188s		Where are you living this term? Other TEXT
rucdisttocamp	byte	%8.0g	RUCDISTT	How far do you live from campus?
RUCLIVewith2014	byte	%8.0g	RUCLIVew	With whom do you live?
RUCLIVewith20~T	strL	%61s		With whom do you live? Other TEXT
auccommit	byte	%8.0g	AUCCOMMI	Agree or disagree-UC [CAMPUS] has a strong commitment to underg
raduate education				

aucworldclass	byte	%8.0g	AUCWORLD	* Agree or disagree-Attending a university with world-class researchers is important
aucfacrefres	byte	%8.0g	AUCFACRE	* How important-Having courses with faculty members who refer to their own research
aucresmthds	byte	%8.0g	AUCRESMT	How important-Learning research methods
aucasstfacpay	byte	%8.0g	AUCASSTF	* How important-Assisting faculty members in their research, for pay or as a volunteer
aucpursueownres	byte	%8.0g	AUCPURSU	How important-Pursuing your own research
aucunivprstgg~b	byte	%8.0g	AUCUNIVP	* How important-The prestige of this campus when you apply to graduate school or for
AUCABRESFLD1	byte	%8.0g	AUCABRES	* WHEN YOU STARTED HERE-ability to engage in research or work on creative projects
AUCABRESFLD2	byte	%8.0g	V361_A	* NOW-ability to engage in research or work on creative projects specific to your
AUCABMTHFLD1	byte	%8.0g	AUCABMTH	* WHEN YOU STARTED HERE-ability to explain information presented in mathematical forms
AUCABMTHFLD2	byte	%8.0g	V363_A	* NOW-ability to explain information presented in mathematical forms and to perform
AUCABGLB1	byte	%8.0g	AUCABGLB	WHEN YOU STARTED HERE-ability to analyze or discuss global issues
AUCABGLB2	byte	%8.0g	V365_A	NOW-ability to analyze or discuss global issues
AUCINTLINGUIS~1	byte	%8.0g	AUCINTLI	* WHEN YOU STARTED HERE-linguistic or cultural competency in at least one language
AUCINTLINGUIS~2	byte	%8.0g	V367_A	NOW-linguistic or cultural competency in at least one language other than my own
AUCINTWORK_WO~1	byte	%8.0g	AUCINTWO	* WHEN YOU STARTED HERE-Ability to work with people from other cultures/backgrounds
AUCINTWORK_WO~2	byte	%8.0g	V369_A	NOW-Ability to work with people from other cultures/backgrounds
aucobstjob	byte	%8.0g	AUCOBSTJ	How often as an obstacle-Job responsibilities (e.g., paid employment)
aucobstfam	byte	%8.0g	AUCOBSTF	How often as an obstacle-Family responsibilities
aucobstother	byte	%8.0g	AUCOBSTO	* How often as an obstacle-Other responsibilities (e.g., athletics, clubs, internships)
aucobstengl	byte	%8.0g	AUCOBSTE	How often as an obstacle-Weak English skills
aucobstmath	byte	%8.0g	AUCOBSTM	How often as an obstacle-Weak math skills
aucobstskill	byte	%8.0g	AUCOBSTS	* How often as an obstacle-Inadequate study skills (e.g., knowing how to start, know
aucobstbehav	byte	%8.0g	AUCOBSTB	* How often as an obstacle-Poor study behaviors (e.g., wait till last minute, too
aucobstenvr	byte	%8.0g	V377_A	* How often as an obstacle-Poor study environment (e.g., noisy roommate, poor Internet
aucobstdepress	byte	%8.0g	AUCOBSTD	How often as an obstacle-Feeling depressed, stressed, or upset
aucobstill	byte	%8.0g	AUCOBSTI	How often as an obstacle-Physical illness or condition

aucmilitary	byte	%8.0g	AUCMILIT	How often as an obstacle-Military deployment
auchunger	byte	%8.0g	AUCHUNGE	How often as an obstacle-Going hungry, not having enough food
auchousing	byte	%8.0g	AUCHOUI	How often as an obstacle-Inconsistent access to housing, or homelessness
aucobstconct	byte	%8.0g	AUCOBSTC	How often as an obstacle-Inability to concentrate on my work
aucobsthelpe	byte	%8.0g	AUCOBSTH	How often as an obstacle-Reluctance to ask for academic help when I need it
aucother	byte	%8.0g	AUCOTHER	How often as an obstacle-Other
AUCOTHER_TEXT	strL	%225s		How often as an obstacle-Other text
ducclimfriend	byte	%8.0g		Campus climate rate - friendly to hostile
ducclimcaring	byte	%8.0g		Campus climate rate - caring to impersonal
ducclimintellect	byte	%8.0g		Campus climate rate - intellectual to not intellectual
ducclimtolerant	byte	%8.0g		Campus climate rate - tolerant of diversity to intolerant of diversity
ducclimappreciative	byte	%8.0g		Campus climate rate - appreciative of diversity to unappreciative of diversity
ducclimsafe	byte	%8.0g		Campus climate rate - safe to dangerous
ducclimacadhard	byte	%8.0g		Campus climate rate - too hard academically to too easy academically
ducclimafford	byte	%8.0g		Campus climate rate - affordable to not affordable
ducdiffrelig	byte	%8.0g	DUCDIFFR	How often-Religious beliefs
ducdiffpolitics	byte	%8.0g	DUCDIFFP	How often-Political opinions
ducdiffnation	byte	%8.0g	DUCDIFFN	How often-Nationality
ducdiffrace	byte	%8.0g	V398_A	How often-Race or ethnicity
ducdiffgender	byte	%8.0g	DUCDIFFG	How often-Gender
ducdiffsexor	byte	%8.0g	DUCDIFFS	How often-Sexual orientation
ducdiffses	byte	%8.0g	V401_A	How often-Social class
ducdiffphysdis	byte	%8.0g	V402_A	How often-Physical disabilities
ducdiffpsydis	byte	%8.0g	V403_A	How often-Learning or psychological disabilities
ducfacrace	byte	%8.0g	DUCFACRA	Teaching faculty or instructor negative views-races or ethnicities
ducfacgender	byte	%8.0g	DUCFACGE	Teaching faculty or instructor negative views-genders
ducfacsexor	byte	%8.0g	DUCFACSE	Teaching faculty or instructor negative views-sexual orientations
ducfacpolitics	byte	%8.0g	DUCFACPO *	Teaching faculty or instructor negative views-political affiliations, opinions, or
ducfacrelig	byte	%8.0g	DUCFACRE	Teaching faculty or instructor negative views-religions
ducfacses	byte	%8.0g	V409_A	Teaching faculty or instructor negative views-social classes
ducfacimmig	byte	%8.0g	DUCFACIM	Teaching faculty or instructor negative views-immigrant backgrounds
ducfacphydis	byte	%8.0g	DUCFACPH	Teaching faculty or instructor negative views-physical disabilities
ducfacpsydis	byte	%8.0g	DUCFACPS *	Teaching faculty or instructor negative views-learning or psychological

ological disabili				
ducstaffrace	byte	%8.0g	DUCSTAFF	Non-teaching staff or administrators negative views-races or et
hnicities				
ducstaffgender	byte	%8.0g	V414_A	Non-teaching staff or administrators negative views-genders
ducstaffsexor	byte	%8.0g	V415_A	Non-teaching staff or administrators negative views-sexual orie
ntations				
ducstaffpolit	byte	%8.0g	V416_A	* Non-teaching staff or administrators negative views-political a
ffiliation, opini				
ducstaffrelig	byte	%8.0g	V417_A	Non-teaching staff or administrators negative views-religions
ducstaffses	byte	%8.0g	V418_A	Non-teaching staff or administrators negative views-social clas
ses				
ducstaffimmig	byte	%8.0g	V419_A	Non-teaching staff or administrators negative views-immigrant b
ackgrounds				
ducstaffphydis	byte	%8.0g	V420_A	Non-teaching staff or administrators negative views-physical di
sabilities				
ducstaffpsydis	byte	%8.0g	V421_A	* Non-teaching staff or administrators negative views-learning or
psychological di				
ducstdntrace	byte	%8.0g	DUCSTDNT	Students negative views-races or ethnicities
ducstdntgender	byte	%8.0g	V423_A	Students negative views-genders
ducstdntsexor	byte	%8.0g	V424_A	Students negative views-sexual orientations
ducstdntpolit	byte	%8.0g	V425_A	Students negative views-political affiliation, opinions, or bel
iefs				
ducstdntrelig	byte	%8.0g	V426_A	Students negative views-religions
ducstdntses	byte	%8.0g	V427_A	Students negative views-social classes
ducstdntimmig	byte	%8.0g	V428_A	Students negative views-immigrant backgrounds
ducstdntphydis	byte	%8.0g	V429_A	Students negative views-physical disabilities
ducstdntpsydis	byte	%8.0g	V430_A	Students negative views-learning or psychological disabilities
DUCOWNRACE_OW~1	byte	%8.0g	DUCOWNRA	WHEN YOU STARTED HERE-my own racial and ethnic identity
DUCOWNRACE_OW~2	byte	%8.0g	V432_A	NOW-my own racial and ethnic identity
DUCSESDIFF_SE~1	byte	%8.0g	DUCSESDI	WHEN YOU STARTED HERE-social class and economic differences/iss
ues				
DUCSESDIFF_SE~2	byte	%8.0g	V434_A	NOW-social class and economic differences/issues
DUCRACEDIFF_R~1	byte	%8.0g	DUCRACED	WHEN YOU STARTED HERE-racial and ethnic differences/issues
DUCRACEDIFF_R~2	byte	%8.0g	V436_A	NOW-racial and ethnic differences/issues
DUCGENDERDIFF~1	byte	%8.0g	DUCGENDE	WHEN YOU STARTED HERE-gender differences/issues
DUCGENDERDIFF~2	byte	%8.0g	V438_A	NOW-gender differences/issues
DUCSEXORDIFF_~1	byte	%8.0g	DUCSEXOR	WHEN YOU STARTED HERE-sexual orientation differences/issues
DUCSEXORDIFF_~2	byte	%8.0g	V440_A	NOW-sexual orientation differences/issues
DUCPHYDISABIL~1	byte	%8.0g	DUCPHYDI	WHEN YOU STARTED HERE-issues relevant to physical disabilities
DUCPHYDISABIL~2	byte	%8.0g	V442_A	NOW-issues relevant to physical disabilities
DUCPSYDISAB_P~1	byte	%8.0g	DUCPSYDI	WHEN YOU STARTED HERE-issues relevant to learning or psychologi
cal disabilities				
DUCPSYDISAB_P~2	byte	%8.0g	V444_A	NOW-issues relevant to learning or psychological disabilities

ducimproud	byte	%8.0g	DUCIMPRO	Agree or disagree-I am proud to be a student at this campus
ducstdntopnn	byte	%8.0g	V446_A	Agree or disagree-This campus values students opinions
ducdvrsimprtcps	byte	%8.0g	DUCDVRSI	Agree or disagree-This campus values diversity
ducdvrsimprtme	byte	%8.0g	V448_A	Agree or disagree-Diversity is important to me
cuccmntysrvc	byte	%8.0g	CUCCMNTY *	Agree or disagree-Opportunities to engage in community service
while a UC [CAMPU				
cucdevlead	byte	%8.0g	CUCDEVLE *	Agree or disagree-Opportunities to develop my leadership skills
while a UC [CAMP				
cucculidnty	byte	%8.0g	CUCCULID *	Agree or disagree-Opportunities to connect my academic work wit
h community-based				
cucsrcynon	byte	%8.0g	CUCSRCYN	Participated in community service-On campus
cucsrvynoff	byte	%8.0g	CUCSRVYN	Participated in community service-Off campus
cucaftereffect	byte	%8.0g	CUCAFTER *	Community-focused activities at this campus influenced the desi
re to continue co				
nuclearnexp	strL	%597s		* What is one of the most meaningful learning experiences you hav
e had at UCÂ [CAM				
cismale	float	%9.0g	YNCS	Cismale
cisfemale	float	%9.0g	cisfemale	Cisfemale
genderqueer	float	%9.0g	YNCS	Genderqueer
FGS_4yr	float	%9.0g	YNCS	FGS
cohort_2016	float	%9.0g	YNCS	2016 Cohort
cohort_2017	float	%9.0g	YNCS	2017 Cohort
HSGPA	float	%9.0g		
UCM	float	%9.0g		
pell_eligible	float	%8.0g	YNCS	Eligble for pell
international	float	%9.0g	international	International
hispanic	float	%9.0g	hispanic	Hispanic
african_amer	float	%9.0g	african_amer	African American
amer_indian	float	%9.0g	amer_indian	American Indian
asian	float	%9.0g	asian	Asian
pac_isle	float	%9.0g	pac_isle	Pacific Islander
white	float	%9.0g	white	White
multi_race	float	%9.0g	multi_race	Multi-Racial
unk_race	float	%9.0g	unk_race	Unknown Race
UC_African_Am~c	long	%8.0g	myetlabel	
UC_African1nu~c	long	%8.0g	myetlabel	

UC_Caribbean1~c	long	%8.0g	myetlabel
UC_OtherBL1nu~c	long	%8.0g	myetlabel
UC_Am_Indian_~c	long	%8.0g	myetlabel
UC_Asian_Indi~c	long	%8.0g	myetlabel
UC_Bangladesh~c	long	%8.0g	myetlabel
UC_Cambodian1~c	long	%8.0g	myetlabel
UC_Chinese1nu~c	long	%8.0g	myetlabel
UC_Filipino1n~c	long	%8.0g	myetlabel
UC_Hmong1nume~c	long	%8.0g	myetlabel
UC_Indonesian~c	long	%8.0g	myetlabel
UC_Japanese1n~c	long	%8.0g	myetlabel
UC_Korean1num~c	long	%8.0g	myetlabel
UC_Laotian1nu~c	long	%8.0g	myetlabel
UC_Malaysian1~c	long	%8.0g	myetlabel
UC_Pakistani1~c	long	%8.0g	myetlabel
UC_Sri_Lankan~c	long	%8.0g	myetlabel
UC_Taiwanese1~c	long	%8.0g	myetlabel
UC_Thai1numeric	long	%8.0g	myetlabel
UC_Vietnamese~c	long	%8.0g	myetlabel
UC_Other_Asia~c	long	%8.0g	myetlabel
UC_Cuban1nume~c	long	%8.0g	myetlabel
UC_Latin_Amer~c	long	%8.0g	myetlabel

UC_Mexican_Ch~c	long	%8.0g	myetlabel	
UC_Puerto_Ric~c	long	%8.0g	myetlabel	
UC_Other_Hisp~c	long	%8.0g	myetlabel	
UC_Fijian1num~c	long	%8.0g	myetlabel	
UC_Guamanian1~c	long	%8.0g	myetlabel	
UC_Hawaiian1n~c	long	%8.0g	myetlabel	
UC_Samoan1num~c	long	%8.0g	myetlabel	
UC_Tongan1num~c	long	%8.0g	myetlabel	
UC_Other_Pac_~c	long	%8.0g	myetlabel	
UC_White_Euro~c	long	%8.0g	myetlabel	
UC_Other_Whit~c	long	%8.0g	myetlabel	
pe	long	%8.0g	pe	
pell_eligible2	float	%9.0g		
sexatbirth	long	%19.0g	sexatbirth	
gender_expres~n	long	%33.0g	gender_expression	
UCSB	float	%9.0g		
UC_East_India~c	long	%8.0g	myetlabel	UC_East_Indian_PAK
UC_Afghan1num~c	long	%8.0g	myetlabel	UC_Afghan
UC_Armenian1n~c	long	%8.0g	myetlabel	UC_Armenian
UC_Assyrian_C~c	long	%8.0g	myetlabel	UC_Assyrian_Chaldean
UC_Azerbaijan~c	long	%8.0g	myetlabel	UC_Azerbaijani
UC_Georgian1n~c	long	%8.0g	myetlabel	UC_Georgian
UC_Iranian1nu~c	long	%8.0g	myetlabel	

UC_Iraqi1num~c	long	%8.0g	myetlabel	UC_Iranian
UC_Israeli1nu~c	long	%8.0g	myetlabel	UC_Iraqi
UC_Jordanian1~c	long	%8.0g	myetlabel	UC_Israeli
UC_Kurdish1nu~c	long	%8.0g	myetlabel	UC_Jordanian
UC_Lebanese1n~c	long	%8.0g	myetlabel	UC_Kurdish
UC_Palestina~c	long	%8.0g	myetlabel	UC_Lebanese
UC_Saudi_Arab~c	long	%8.0g	myetlabel	UC_Palestinian
UC_Syrian1num~c	long	%8.0g	myetlabel	UC_Saudi_Arabian
UC_Turkish1nu~c	long	%8.0g	myetlabel	UC_Syrian
UC_Yemeni1num~c	long	%8.0g	myetlabel	UC_Turkish
UC_Other_SW_A~c	long	%8.0g	myetlabel	UC_Yemeni
UC_Algerian1n~c	long	%8.0g	myetlabel	UC_Other_SW_Asian
UC_Egyptian1n~c	long	%8.0g	myetlabel	UC_Algerian
UC_Moroccan1n~c	long	%8.0g	myetlabel	UC_Egyptian
UC_Sudanese1n~c	long	%8.0g	myetlabel	UC_Moroccan
UC_Tunisian1n~c	long	%8.0g	myetlabel	UC_Sudanese
				UC_Tunisian
inUCUES	byte	%8.0g		
UCI	float	%9.0g		
campus_	float	%9.0g		

\* indicated variables have notes

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Sorted by:



In [22]:

```
%head
```

id	campus	_merge	cisfemale2	genderqueer2	cismale2	hispanic_1numeric	amerindian_1numeric	asian_1numeric	africanamerica
1	1	UC Merced	master only (1)	Yes	No	No	Yes	No	No
2	2	UC Merced	master only (1)	Yes	No	No	Yes	No	No
3	3	UC Merced	master only (1)	Yes	No	No	Yes	No	No
4	4	UC Merced	master only (1)	Yes	No	No	No	No	Yes
5	5	UC Merced	master only (1)	Yes	No	No	Yes	No	No
6	6	.	using only (2)	.	.	.	.	.	.
7	7	.	using only (2)	.	.	.	.	.	.
8	8	.	using only (2)	.	.	.	.	.	.
9	9	.	using only (2)	.	.	.	.	.	.
10	10	.	using only (2)	.	.	.	.	.	.

In [19]:

```
%tail
```

	id	campus	_merge	cisfemale2	genderqueer2	cismale2	hispanic_1numeric	amerindian_1numeric	asian_1numeric	african
<b>26969</b>	26969	.	matched (3)	.	.	.	.	.	.	.
<b>26970</b>	26970	.	matched (3)	.	.	.	.	.	.	.
<b>26971</b>	26971	.	matched (3)	.	.	.	.	.	.	.
<b>26972</b>	26972	.	matched (3)	.	.	.	.	.	.	.
<b>26973</b>	26973	.	matched (3)	.	.	.	.	.	.	.
<b>26974</b>	26974	.	matched (3)	.	.	.	.	.	.	.
<b>26975</b>	26975	.	matched (3)	.	.	.	.	.	.	.
<b>26976</b>	26976	.	matched (3)	.	.	.	.	.	.	.
<b>26977</b>	26977	.	matched (3)	.	.	.	.	.	.	.
<b>26978</b>	26978	.	matched (3)	.	.	.	.	.	.	.

In [20]:

```
mdesc hispanic_1 resident rucimmigrantyr
```

Variable	Missing	Total	Percent Missing
hispanic_1	25,532	26,978	94.64
resident	22,729	26,978	84.25
rucimmigrantyr	21,742	26,978	80.59

In [21]:

```
mdesc
```

Variable	Missing	Total	Percent Missing
id	0	26,978	0.00
campus	22,729	26,978	84.25
_merge	0	26,978	0.00
cisfemale2	22,898	26,978	84.88
genderqueer2	23,364	26,978	86.60
cismale2	22,899	26,978	84.88
hispanic_1~c	22,729	26,978	84.25
amerindian~c	22,729	26,978	84.25
asian_1num~c	22,729	26,978	84.25
africaname~c	22,729	26,978	84.25
pacificisl~c	22,729	26,978	84.25
white_1num~c	22,729	26,978	84.25
declinetos~e	26,895	26,978	99.69
hispanic_1	25,532	26,978	94.64
amerindian_1	26,971	26,978	99.97
asian_1	26,080	26,978	96.67
africaname~1	26,844	26,978	99.50
pacificisl~1	26,971	26,978	99.97
white_1	25,950	26,978	96.19
finished	25,734	26,978	95.39
resident	22,729	26,978	84.25
status	25,734	26,978	95.39
EVAL_MAJOR	22,729	26,978	84.25
MAJOR_TEXT1	22,729	26,978	84.25
MAJOR_TEXT2	26,881	26,978	99.64
COLLEGE_CO~1	22,729	26,978	84.25
COLLEGE_NA~1	22,729	26,978	84.25
MAJOR_CODE1	22,729	26,978	84.25
CIP_CODE1	22,729	26,978	84.25
COLLEGE_CO~2	26,881	26,978	99.64
COLLEGE_NA~2	26,881	26,978	99.64
MAJOR_CODE2	26,881	26,978	99.64
CIP_CODE2	26,881	26,978	99.64
MOD_ASSIGN	25,734	26,978	95.39
level	25,734	26,978	95.39
year	22,729	26,978	84.25
TERM1	25,734	26,978	95.39
NATIVE_UNITS	22,729	26,978	84.25
gender	22,729	26,978	84.25
NONRESIDEN~N	22,729	26,978	84.25
ETHNICITY_~C	22,729	26,978	84.25

ETHNICI~9CAT	22,729	26,978	84.25
ETHNICI~3CAT	22,729	26,978	84.25
age	22,729	26,978	84.25
INDEPENDEN~T	22,729	26,978	84.25
HSGPA_CALC	22,840	26,978	84.66
HSGPA_UNW	22,840	26,978	84.66
CUMGPA_NAT~E	22,729	26,978	84.25
rucchllngc~s	20,858	26,978	77.31
rucchllngd~s	20,851	26,978	77.29
rucchllnga~n	20,847	26,978	77.27
rucchllngi~t	20,838	26,978	77.24
RUCFCLTYDI~6	20,824	26,978	77.19
rucchllngp~t	20,858	26,978	77.31
rucchllngn~e	20,824	26,978	77.19
RUCFCLTYSM~6	20,824	26,978	77.19
RUCCHLL~2016	20,837	26,978	77.24
RUCFCLTYOT~6	20,822	26,978	77.18
ruclateass~n	20,965	26,978	77.71
rucclassun~p	20,990	26,978	77.80
rucskipped~s	21,016	26,978	77.90
rucincreas~t	20,986	26,978	77.79
RUCREVI~2016	20,974	26,978	77.74
rucoughth~p	20,967	26,978	77.72
rucstudygr~p	20,975	26,978	77.75
RUCCLAS~2016	20,972	26,978	77.74
ruclhelpedm~e	20,968	26,978	77.72
rucamountr~d	20,956	26,978	77.68
ructimepa~on	18,516	26,978	68.63
ructimepai~f	18,675	26,978	69.22
ructimepa~in	23,997	26,978	88.95
ructimeclass	21,103	26,978	78.22
ructimestudy	21,129	26,978	78.32
ructimeent~n	21,109	26,978	78.25
ructimecom~v	21,116	26,978	78.27
ructimeexe~e	21,111	26,978	78.25
ructimespi~t	21,109	26,978	78.25
ructimeclub	21,139	26,978	78.36
ructimefri~d	21,135	26,978	78.34
ructimeparty	21,115	26,978	78.27
ructimefam~y	21,152	26,978	78.40
ructimemedia	21,118	26,978	78.28
ructimesleep	21,099	26,978	78.21
RUCFIRS~2016	21,244	26,978	78.75

RUCLRNC~2016	21,291	26,978	78.92
RUCLIVE~2016	21,249	26,978	78.76
RUCWRIT~2016	21,264	26,978	78.82
RUCDVR~2016	21,261	26,978	78.81
RUCCAPS~2016	21,230	26,978	78.69
RUCSERV~2016	21,253	26,978	78.78
rucinternc~d	21,229	26,978	78.69
rucinternn~d	21,246	26,978	78.75
RUCHONO~2016	21,283	26,978	78.89
rucleaders~p	21,227	26,978	78.68
rucentrepren	21,261	26,978	78.81
RUCCOUR~2016	21,224	26,978	78.67
rucstudyab~d	21,232	26,978	78.70
RUCCMPL~2014	21,272	26,978	78.85
rucmethods	21,277	26,978	78.87
RUCRES199	21,291	26,978	78.92
RUCRESF~2016	21,367	26,978	79.20
RUCCREATA~6	21,273	26,978	78.85
RUCCREATFA~6	21,318	26,978	79.02
RUCRESU~2018	21,277	26,978	78.87
RUCRESW~2018	21,274	26,978	78.86
RUCRESEARC~1	26,646	26,978	98.77
RUCRESEARC~2	26,636	26,978	98.73
RUCRESEARC~3	26,942	26,978	99.87
RUCRESEARC~T	26,937	26,978	99.85
RUCRESEARD~1	26,596	26,978	98.58
RUCRESEARD~2	26,872	26,978	99.61
RUCRESEARD~3	26,918	26,978	99.78
RUCRESEARD~4	26,782	26,978	99.27
RUCRESCREA~1	26,819	26,978	99.41
RUCRESCREA~2	26,919	26,978	99.78
RUCRESCREA~3	26,935	26,978	99.84
RUCRESCREA~4	26,849	26,978	99.52
RUCRESRULT~1	26,636	26,978	98.73
RUCRESRULT~2	26,863	26,978	99.57
RUCRESRULT~3	26,903	26,978	99.72
RUCRESRULT~4	26,916	26,978	99.77
RUCRESRULT~5	26,846	26,978	99.51
RUCRESRULT~6	26,888	26,978	99.67
RUCRESRULT~T	26,858	26,978	99.56
RUCINAP~2016	21,291	26,978	78.92
RUCEXAP~2016	21,321	26,978	79.03
RUCINOT~2016	21,293	26,978	78.93



RUCEXOT~2016	21,325	26,978	79.05
RUCINCN~2016	21,303	26,978	78.96
RUCEXCN~2016	21,317	26,978	79.02
rucmyrace	21,322	26,978	79.03
rucmyses	21,327	26,978	79.05
rucmygender	21,331	26,978	79.07
rucmyrelig~n	21,344	26,978	79.12
rucmypolit~s	21,333	26,978	79.08
rucmysex	21,342	26,978	79.11
RUCMYIM~2014	21,323	26,978	79.04
RUCMYDI~2018	21,351	26,978	79.14
rucclimate	21,340	26,978	79.10
rucclimatema	22,239	26,978	82.43
rucclimatecl	21,355	26,978	79.16
rucsafesec~e	21,349	26,978	79.13
rucwelcome	21,351	26,978	79.14
RUCMJR1EVAL	23,432	26,978	86.86
RUCMJR1EVA~H	26,325	26,978	97.58
RUCMAJOR1C~E	26,534	26,978	98.35
RUCMAJOR1T~T	26,325	26,978	97.58
majorevalu~d	19,685	26,978	72.97
majorevalu~p	23,432	26,978	86.86
RUC1MJRCUR~Y	22,243	26,978	82.45
RUC1MJRHIG~Y	22,259	26,978	82.51
RUC1MJRFUL~L	22,248	26,978	82.47
RUC1MJRPAR~S	22,264	26,978	82.53
RUC1MJRPRE~E	22,277	26,978	82.57
RUC1MJR2CH~E	22,288	26,978	82.62
RUC1MJRGRA~L	22,262	26,978	82.52
RUC1MJROTHER	25,163	26,978	93.27
RUC1MJROTH~T	26,647	26,978	98.77
RUC1MJRREC~6	22,278	26,978	82.58
RUC1MJREXP~6	22,287	26,978	82.61
RUC1MJRANA~6	22,281	26,978	82.59
RUC1MJREVA~6	22,284	26,978	82.60
RUC1MJRGEN~6	22,288	26,978	82.62
rucrecall	26,087	26,978	96.70
rucexplain	26,090	26,978	96.71
rucanalyzing	26,086	26,978	96.69
ruevaluat~n	26,086	26,978	96.69
rucgenerat~n	26,090	26,978	96.71
RUC1MJRUSE~6	22,310	26,978	82.70
RUC1MJRSYN~6	22,314	26,978	82.71

RUC1MJREXA~6	22,302	26,978	82.67
RUC1MJRREA~6	22,313	26,978	82.71
rucusedfacts	26,094	26,978	96.72
rucsynthesis	26,096	26,978	96.73
rucexamined	26,093	26,978	96.72
rucreassess	26,092	26,978	96.72
RUC1MJRCOH~T	22,340	26,978	82.81
RUC1MJRREQ~E	22,314	26,978	82.71
RUC1MJRCLR~S	22,315	26,978	82.72
RUC1MJRCAT~G	22,324	26,978	82.75
RUC1MJROPEN	21,460	26,978	79.55
RUC1MJRFAIR	21,462	26,978	79.55
RUC1MJRPLA~6	21,480	26,978	79.62
RUC1MJRFEE~K	21,486	26,978	79.64
RUC1MJRFAC~P	21,472	26,978	79.59
RUC1MJRACT~T	21,468	26,978	79.58
RUC1MJRENT~E	21,463	26,978	79.56
RUC1MJRVAR~Y	22,354	26,978	82.86
RUC1MJRLDQ~L	22,354	26,978	82.86
RUC1MJRUDQ~L	22,396	26,978	83.02
RUC1MJRCOMM	22,363	26,978	82.89
RUC1MJRFAC~C	21,549	26,978	79.88
RUC1MJRCOL~C	21,563	26,978	79.93
RUC1MJRDEP~C	21,579	26,978	79.99
RUC1MJRFAC~T	21,582	26,978	80.00
RUC1MJRTAI~T	21,562	26,978	79.92
RUC1MJRGEA~L	21,543	26,978	79.85
RUC1MJRCRS~L	21,547	26,978	79.87
RUC1MJRSML~S	21,555	26,978	79.90
RUC1MJRFAC~S	21,566	26,978	79.94
RUC1MJRGET~R	21,558	26,978	79.91
RUC1MJRRES~P	21,559	26,978	79.91
RUC1MJRENH~H	21,568	26,978	79.95
RUC1MJRLIB~S	21,583	26,978	80.00
RUCPROF1RE	21,521	26,978	79.77
ruccorg	21,506	26,978	79.72
ruccorgofc	24,022	26,978	89.04
RUCCCLC~2016	23,998	26,978	88.95
RUCCCLPLAN~6	24,004	26,978	88.98
RUCCCLPROM~6	24,008	26,978	88.99
RUCCCLD~2016	24,035	26,978	89.09
RUCCCLR~2016	23,992	26,978	88.93
RUCCCLM~2016	24,003	26,978	88.97

RUCCCLO~2016	23,992	26,978	88.93
ruccclbudget	23,993	26,978	88.94
rucccdeleg~e	23,992	26,978	88.93
RUCDEPE~2016	24,004	26,978	88.98
RUCRESO~2016	24,010	26,978	89.00
RUCOTHE~2016	24,010	26,978	89.00
RUCORGA~2016	24,008	26,978	88.99
RUCCOMP~2016	24,007	26,978	88.99
RUCORAL~2016	24,009	26,978	88.99
RUCNETW~2016	24,011	26,978	89.00
rucwriting	24,010	26,978	89.00
RUCSKILLCR~1	21,623	26,978	80.15
RUCSKILLCR~2	21,641	26,978	80.22
RUCSKILLWR~1	21,628	26,978	80.17
RUCSKILLWR~2	21,661	26,978	80.29
RUCSKILLRE~1	21,640	26,978	80.21
RUCSKILLRE~2	21,655	26,978	80.27
RUCSKILLMJ~1	21,639	26,978	80.21
RUCSKILLMJ~2	21,666	26,978	80.31
RUCSKILLMA~1	21,642	26,978	80.22
RUCSKILLMA~2	21,654	26,978	80.27
RUCSKILLSP~1	21,635	26,978	80.19
RUCSKILLSP~2	21,650	26,978	80.25
RUCSKILLNT~1	21,635	26,978	80.19
RUCSKILLNT~2	21,648	26,978	80.24
RUCSKILLLE~1	21,633	26,978	80.19
RUCSKILLLE~2	21,658	26,978	80.28
RUCSKILLLR~1	21,641	26,978	80.22
RUCSKILLLR~2	21,657	26,978	80.28
RUCSKILLPR~1	21,650	26,978	80.25
RUCSKILLPR~2	21,659	26,978	80.28
RUCSKILL_R~1	21,644	26,978	80.23
RUCSKILL_R~2	21,653	26,978	80.26
RUCSKILLSO~1	21,647	26,978	80.24
RUCSKILLSO~2	21,655	26,978	80.27
rucsatgpa	21,659	26,978	80.28
rucsatsocial	21,661	26,978	80.29
rucsatacad~c	21,660	26,978	80.29
rucsatvalue	21,667	26,978	80.31
rucagreein~1	21,661	26,978	80.29
rucagreebe~g	21,669	26,978	80.32
rucagreere~1	21,666	26,978	80.31
rucagreegrp	21,641	26,978	80.22

rucagreechn	21,656	26,978	80.27
rucagreeadm	21,656	26,978	80.27
rucagreefac	21,653	26,978	80.26
RUCSEMISCH~8	21,695	26,978	80.42
RUCSEMISCS~8	21,703	26,978	80.45
RUCSEMISCF~8	21,702	26,978	80.44
RUCSEMISCV~8	21,699	26,978	80.43
RUCSEMISCP~8	21,698	26,978	80.43
RUCPATHHRD~8	21,635	26,978	80.19
RUCPATHLRN~1	26,519	26,978	98.30
RUCPATHLRN~2	26,470	26,978	98.12
RUCPATHLRN~3	26,542	26,978	98.38
RUCPATHLRN~4	26,357	26,978	97.70
RUCPATHLRN~5	26,871	26,978	99.60
RUCPATHLRN~6	26,937	26,978	99.85
RUCPATHLRN~T	26,916	26,978	99.77
RUCPATHLIK~8	21,645	26,978	80.23
RUCPATHLWH~1	25,782	26,978	95.57
RUCPATHLWH~2	26,211	26,978	97.16
RUCPATHLWH~3	25,044	26,978	92.83
RUCPATHLWH~4	26,172	26,978	97.01
RUCPATHLWH~5	26,253	26,978	97.31
RUCPATHLWH~6	26,669	26,978	98.85
RUCPATHLWH~T	26,481	26,978	98.16
RUCPATHATM~8	26,978	26,978	100.00
RUCPATHUWH~1	26,978	26,978	100.00
RUCPATHUWH~2	26,978	26,978	100.00
RUCPATHUWH~3	26,978	26,978	100.00
RUCPATHUWH~4	26,978	26,978	100.00
RUCPATHUWH~5	26,978	26,978	100.00
RUCPATHUWH~6	26,978	26,978	100.00
RUCPATHUWH~T	26,978	26,978	100.00
RUCPOST~2014	21,645	26,978	80.23
RU~4_12_TEXT	26,876	26,978	99.62
RUCASPI~2016	21,654	26,978	80.27
RUCASPIRJO~T	26,563	26,978	98.46
rucpostbac~e	21,651	26,978	80.25
RU~E_12_TEXT	26,929	26,978	99.82
RUCFOUR~2016	21,663	26,978	80.30
ruccomplet~a	21,677	26,978	80.35
rucpaycncr~w	21,688	26,978	80.39
rucpaycncr~r	21,892	26,978	81.15
rucpayaccu~t	21,683	26,978	80.37

rucpell	21,778	26,978	80.73
RUCSKIP~2016	21,694	26,978	80.41
ruccutspen~g	21,698	26,978	80.43
rucwrryfam~t	21,701	26,978	80.44
RUCFOODLAS~8	21,736	26,978	80.57
RUCFOODMEL~8	21,753	26,978	80.63
RUCFOODCUT~8	21,724	26,978	80.52
RUCFOODLES~8	21,719	26,978	80.51
RUCFOODSKI~8	21,725	26,978	80.53
RUCFOODFRQ~8	25,072	26,978	92.93
rucexpfinaid	21,766	26,978	80.68
rucexpreeval	21,824	26,978	80.90
rucexpbooks	21,767	26,978	80.68
rucexploa	21,829	26,978	80.91
rucexpcourse	21,803	26,978	80.82
rucexpgrad	21,823	26,978	80.89
rucexpretake	21,818	26,978	80.87
rucexpcomm	21,820	26,978	80.88
rucexpjob	21,806	26,978	80.83
rucexphours	21,817	26,978	80.87
rucexpdebt	21,824	26,978	80.90
rucexploan	21,821	26,978	80.88
rucexpoth	25,180	26,978	93.34
RUCEXPOTH_~T	26,907	26,978	99.74
ruccostman~e	21,757	26,978	80.65
ruccosttxt	24,185	26,978	89.65
rucimmigra~r	21,742	26,978	80.59
rucageengl~h	21,741	26,978	80.59
rucmother	21,757	26,978	80.65
rucfather	21,766	26,978	80.68
rucparented	21,780	26,978	80.73
rucsocialc~s	21,776	26,978	80.72
rucfinanci	21,757	26,978	80.65
rucincdep	22,148	26,978	82.10
rucincindp	26,725	26,978	99.06
RUCRELI~2018	21,830	26,978	80.92
RUCRELIGIO~T	26,762	26,978	99.20
RUCDISP~2018	21,856	26,978	81.01
RUCDISL~2018	21,889	26,978	81.14
RUCDISC~2018	21,872	26,978	81.07
RUCDISM~2018	21,877	26,978	81.09
RUCDISO~2018	24,208	26,978	89.73
RUCDISOTH2~T	26,895	26,978	99.69

RUCDISACC2~8	25,626	26,978	94.99
RUCDISABIL~8	26,470	26,978	98.12
RUCGENID2018	21,805	26,978	80.83
RUCGENID20~T	26,961	26,978	99.94
RUCBIRS~2018	21,808	26,978	80.84
RUCSEX0~2018	21,841	26,978	80.96
RUCSEXORE2~T	26,866	26,978	99.58
rucgenexp	21,847	26,978	80.98
RUCPOLI~2016	21,917	26,978	81.24
RUCPOLITCO~T	26,753	26,978	99.17
RUHOUSEC_1	21,999	26,978	81.54
RUHOUSEC_2	26,923	26,978	99.80
RUHOUSEC_3	26,941	26,978	99.86
RUHOUSEC_4	26,938	26,978	99.85
RUHOUSEC_5	26,945	26,978	99.88
rucresidnc	21,848	26,978	80.98
RUCRESIDNC~T	26,909	26,978	99.74
rucdisttoc~p	21,846	26,978	80.98
RUCLIVE~2014	21,850	26,978	80.99
RUCLIVEWIT~T	26,888	26,978	99.67
auccommit	21,911	26,978	81.22
aucworldcls	21,921	26,978	81.26
aucfacrefres	21,907	26,978	81.20
aucresmthds	21,928	26,978	81.28
aucasstfac~y	21,931	26,978	81.29
aucpursueo~s	21,928	26,978	81.28
aucunivprs~b	21,911	26,978	81.22
AUCABRESFLD1	22,015	26,978	81.60
AUCABRESFLD2	22,028	26,978	81.65
AUCABMTHFLD1	22,020	26,978	81.62
AUCABMTHFLD2	22,042	26,978	81.70
AUCABGLB1	21,987	26,978	81.50
AUCABGLB2	21,999	26,978	81.54
AUCINTLING~1	21,994	26,978	81.53
AUCINTLING~2	22,000	26,978	81.55
AUCINTWORK~1	21,992	26,978	81.52
AUCINTWORK~2	21,998	26,978	81.54
aucobstjob	22,014	26,978	81.60
aucobstfam	22,030	26,978	81.66
aucobstother	22,035	26,978	81.68
aucobstengl	22,034	26,978	81.67
aucobstmath	22,040	26,978	81.70
aucobstskill	22,034	26,978	81.67

aucobstbehav	22,013	26,978	81.60
aucobstenvr	22,012	26,978	81.59
aucobstdep~s	22,021	26,978	81.63
aucobstill	22,026	26,978	81.64
aucmilitary	22,051	26,978	81.74
auchunger	22,026	26,978	81.64
auchousing	22,016	26,978	81.61
aucobstconct	22,024	26,978	81.64
aucobsthelph	22,022	26,978	81.63
aucother	25,273	26,978	93.68
AUCOTHER_T~T	26,944	26,978	99.87
ducclimfri~d	19,602	26,978	72.66
ducclimcar~g	19,616	26,978	72.71
ducclimint~c	19,621	26,978	72.73
ducclimtol~t	19,609	26,978	72.69
ducclimapp~e	19,615	26,978	72.71
ducclimsafe	19,617	26,978	72.71
ducclimaca~d	19,611	26,978	72.69
ducclimaff~d	19,612	26,978	72.70
ducdiffrelig	22,049	26,978	81.73
ducdiffpol~s	22,065	26,978	81.79
ducdiffnat~n	22,057	26,978	81.76
ducdiffrace	22,065	26,978	81.79
ducdiffgen~r	22,060	26,978	81.77
ducdiffsexor	22,067	26,978	81.80
ducdiffses	22,060	26,978	81.77
ducdiffphy~s	22,065	26,978	81.79
ducdiffpsy~s	22,059	26,978	81.77
ducfacrace	22,068	26,978	81.80
ducfacgender	22,090	26,978	81.88
ducfacsexor	22,099	26,978	81.91
ducfacpoli~s	22,072	26,978	81.81
ducfacrelig	22,068	26,978	81.80
ducfacses	22,088	26,978	81.87
ducfacimmig	22,078	26,978	81.84
ducfacphydis	22,075	26,978	81.83
ducfacpsydis	22,070	26,978	81.81
ducstaffrace	22,096	26,978	81.90
ducstaffge~r	22,108	26,978	81.95
ducstaffse~r	22,108	26,978	81.95
ducstaffpo~t	22,093	26,978	81.89
ducstaffre~g	22,105	26,978	81.94
ducstaffses	22,104	26,978	81.93

ducstaffim~g	22,103	26,978	81.93
ducstaffph~s	22,103	26,978	81.93
ducstaffps~s	22,104	26,978	81.93
ducstdntrace	22,108	26,978	81.95
ducstdntge~r	22,115	26,978	81.97
ducstdntse~r	22,115	26,978	81.97
ducstdntpo~t	22,107	26,978	81.94
ducstdntre~g	22,111	26,978	81.96
ducstdntses	22,126	26,978	82.01
ducstdntim~g	22,101	26,978	81.92
ducstdntph~s	22,109	26,978	81.95
ducstdntps~s	22,112	26,978	81.96
DUCOWNRACE~1	22,112	26,978	81.96
DUCOWNRACE~2	22,126	26,978	82.01
DUCSESDIFF~1	22,116	26,978	81.98
DUCSESDIFF~2	22,134	26,978	82.04
DUCRACEDIF~1	22,118	26,978	81.99
DUCRACEDIF~2	22,136	26,978	82.05
DUCGENDERD~1	22,111	26,978	81.96
DUCGENDERD~2	22,119	26,978	81.99
DUCSEXORDI~1	22,123	26,978	82.00
DUCSEXORDI~2	22,132	26,978	82.04
DUCPHYDISA~1	22,118	26,978	81.99
DUCPHYDISA~2	22,132	26,978	82.04
DUCPSYDISA~1	22,116	26,978	81.98
DUCPSYDISA~2	22,133	26,978	82.04
ducimproud	22,061	26,978	81.77
ducstdntopnn	22,068	26,978	81.80
ducdvrsimp~s	22,077	26,978	81.83
ducdvrsimp~e	22,082	26,978	81.85
cuccmntysrvc	22,102	26,978	81.93
cucdevlead	22,107	26,978	81.94
cucculidnty	22,107	26,978	81.94
cucsrcynon	22,105	26,978	81.94
cucsrvynoff	22,129	26,978	82.03
cucafteref~t	25,816	26,978	95.69
ruclearnexp	24,921	26,978	92.38
cismale	37	26,978	0.14
cisfemale	37	26,978	0.14
genderqueer	37	26,978	0.14
FGS_4yr	587	26,978	2.18
cohort_2016	5	26,978	0.02
cohort_2017	5	26,978	0.02



HSGPA	144	26,978	0.53
UCM	22,631	26,978	83.89
pell_eligible	123	26,978	0.46
international	5	26,978	0.02
hispanic	5	26,978	0.02
african_american	5	26,978	0.02
amer_indian	5	26,978	0.02
asian	5	26,978	0.02
pac_isle	5	26,978	0.02
white	5	26,978	0.02
multi_race	5	26,978	0.02
unk_race	5	26,978	0.02
U~_America~c	13,102	26,978	48.57
UC_African1~	13,102	26,978	48.57
UC_Caribbe~c	13,102	26,978	48.57
UC_OtherBL~c	13,102	26,978	48.57
UC_Am_Indi~c	13,102	26,978	48.57
UC_Asian_I~c	13,102	26,978	48.57
UC_Banglad~c	13,102	26,978	48.57
UC_Cambodi~c	13,102	26,978	48.57
UC_Chinese~c	13,102	26,978	48.57
UC_Filipin~c	13,102	26,978	48.57
UC_Hmong1n~c	13,102	26,978	48.57
UC_Indones~c	13,102	26,978	48.57
UC_Japanes~c	13,102	26,978	48.57
UC_Korean1~c	13,102	26,978	48.57
UC_Laotian~c	13,102	26,978	48.57
UC_Malaysi~c	13,102	26,978	48.57
UC_Pakista~c	13,102	26,978	48.57
UC_Sri_Lan~c	13,102	26,978	48.57
UC_Taiwane~c	13,102	26,978	48.57
UC_Thai1nu~c	13,102	26,978	48.57
UC_Vietnam~c	13,102	26,978	48.57
UC_Other_A~c	13,102	26,978	48.57
UC_Cuban1n~c	13,102	26,978	48.57
UC_Latin_A~c	13,102	26,978	48.57
UC_Mexican~c	13,102	26,978	48.57
UC_Puerto_~c	13,102	26,978	48.57
UC_Other_H~c	13,102	26,978	48.57
UC_Fijian1~c	13,102	26,978	48.57
UC_Guamani~c	13,102	26,978	48.57
UC_Hawaiiia~c	13,102	26,978	48.57
UC_Samoan1~c	13,102	26,978	48.57

UC_Tongan1~c	13,102	26,978	48.57
UC_Other_P~c	13,102	26,978	48.57
UC_White_E~c	13,102	26,978	48.57
UC_Other_W~c	13,102	26,978	48.57
pe	24,439	26,978	90.59
pell_eligi~2	24,439	26,978	90.59
sexatbirth	24,438	26,978	90.58
gender_exp~n	24,437	26,978	90.58
UCSB	17,444	26,978	64.66
UC_East_In~c	17,444	26,978	64.66
UC_Afghan1~c	17,444	26,978	64.66
UC_Armenia~c	17,444	26,978	64.66
UC_Assyria~c	17,444	26,978	64.66
UC_Azerbai~c	17,444	26,978	64.66
UC_Georgia~c	17,444	26,978	64.66
UC_Iranian~c	17,444	26,978	64.66
UC_Iraqi1n~c	17,444	26,978	64.66
UC_Israeli~c	17,444	26,978	64.66
UC_Jordani~c	17,444	26,978	64.66
UC_Kurdish~c	17,444	26,978	64.66
UC_Lebanes~c	17,444	26,978	64.66
UC_Palesti~c	17,444	26,978	64.66
UC_Saudi_A~c	17,444	26,978	64.66
UC_Syrian1~c	17,444	26,978	64.66
UC_Turkish~c	17,444	26,978	64.66
UC_Yemeni1~c	17,444	26,978	64.66
UC_Other_S~c	17,444	26,978	64.66
UC_Algeria~c	17,444	26,978	64.66
UC_Egyptia~c	17,444	26,978	64.66
UC_Morocca~c	17,444	26,978	64.66
UC_Sudanes~c	17,444	26,978	64.66
UC_Tunisia~c	17,444	26,978	64.66
inUCUES	13,881	26,978	51.45
UCI	13,881	26,978	51.45
campus_	0	26,978	0.00

---

In [23]:

```
sum hispanic year level age rucimmigrantyr
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
hispanic	26,973	.308642	.4619416	0	1
year	4,249	2016.521	.4996248	2016	2017
level	1,244	1.620579	.6572286	1	4
age	4,249	18.98659	1.421869	18	98
rucimmigra~r	5,236	3.516616	5.344369	1	19

### 3. Write a note summarizing what you learned from browsing the data

[It was helpful to browse the UCUES data using the commands above. I did not drop any variables because I wanted to somewhat get familiar with the entire dataset. Also, I haven't decided what in the UCUES data is going to be used to define the concept of social capital. I noticed that there are 26,978 observations and 549 variables. Another interesting detail I learned from browsing the data is that many variables of interest such as 'resident' are nominal variables. Also, I noticed that there is missing data and I need to decide how to handle this data.

### 4. Create univariate histograms of interval ratio variables you plan to analyze.

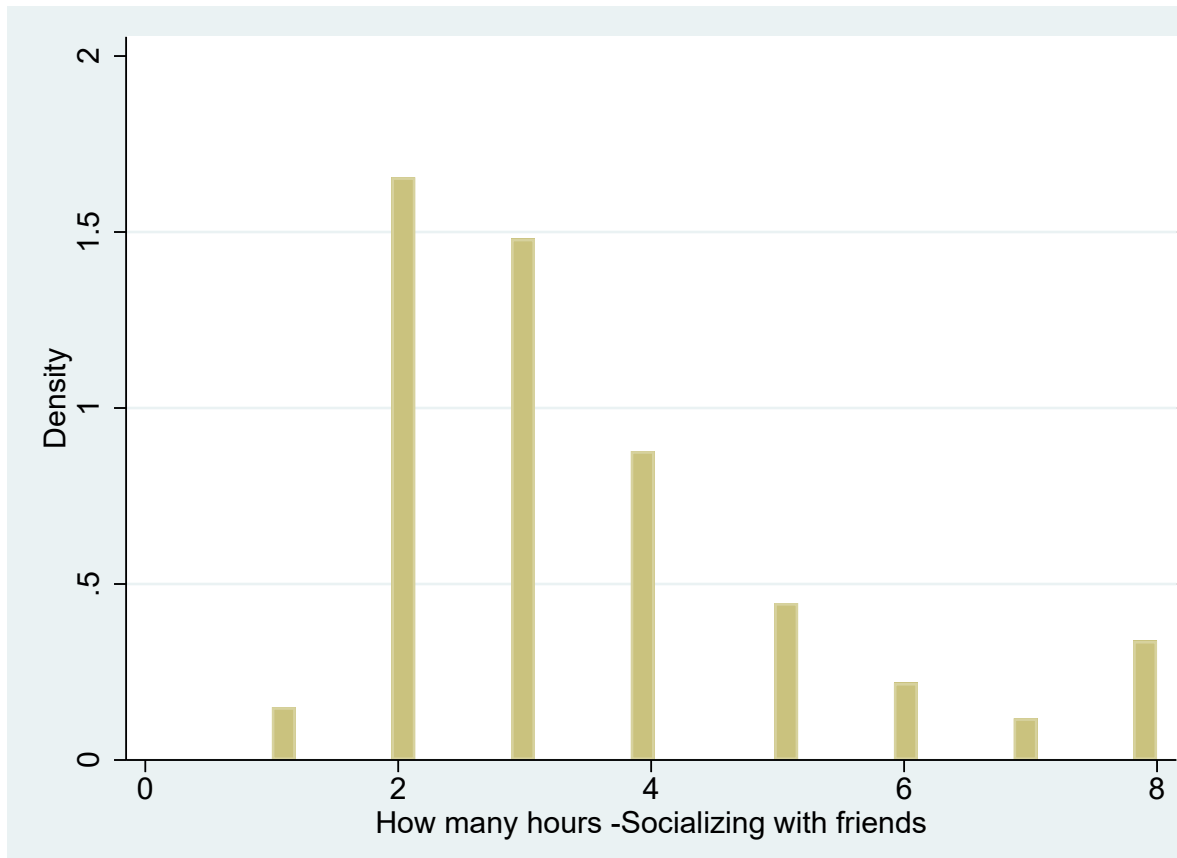
Write at least 3 forloops to generate histograms for all the variables you plan to analyze. Create titles for each histogram that notes whether it is a dependent, independent, or control variable (you can also note in titles whether control vars control for spurious, intervening, or interactive relationships). Begin with your dependent variables. Then make a note below to describe the shapes of the distributions and their implications for your study.

[your note here]

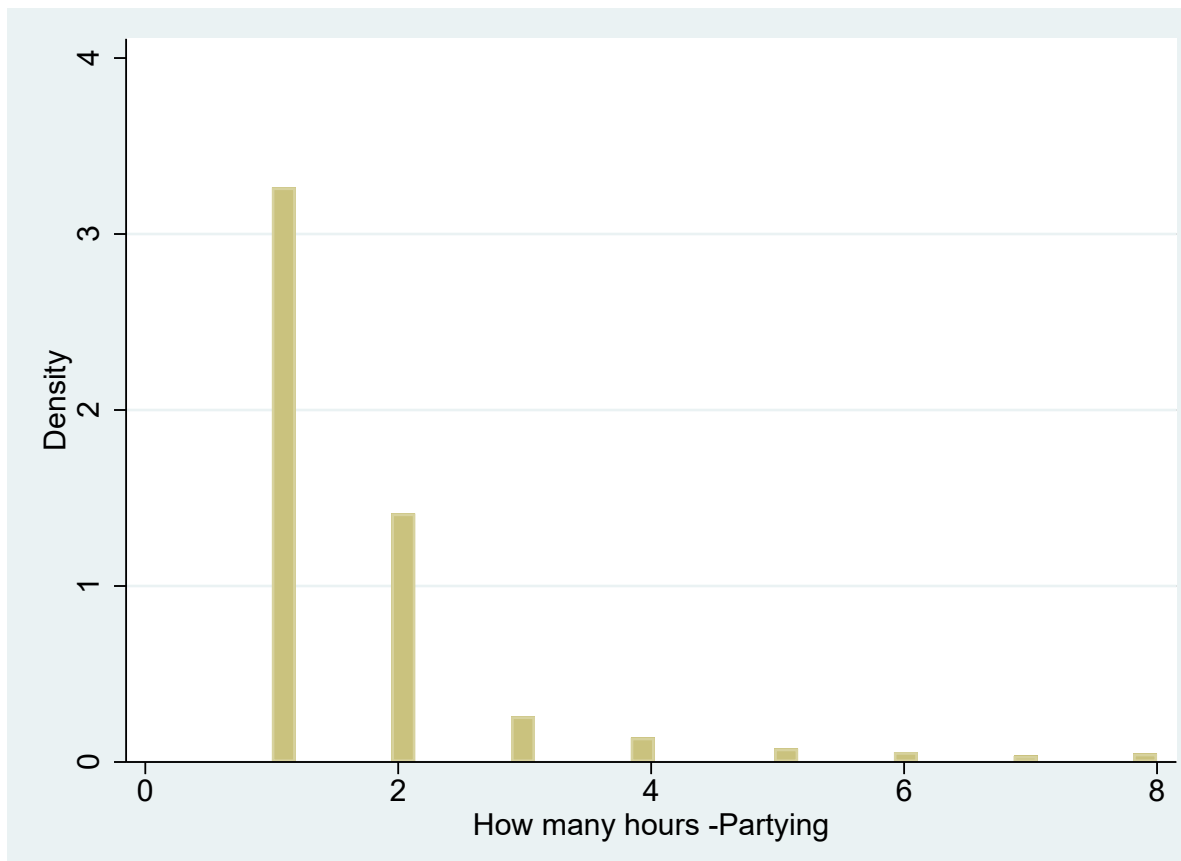
In [25]:

```
order runtimefriend runtimeparty runtimefamily  
  
foreach x of var runtimefriend-runtimefamily {  
  hist `x`  
}
```

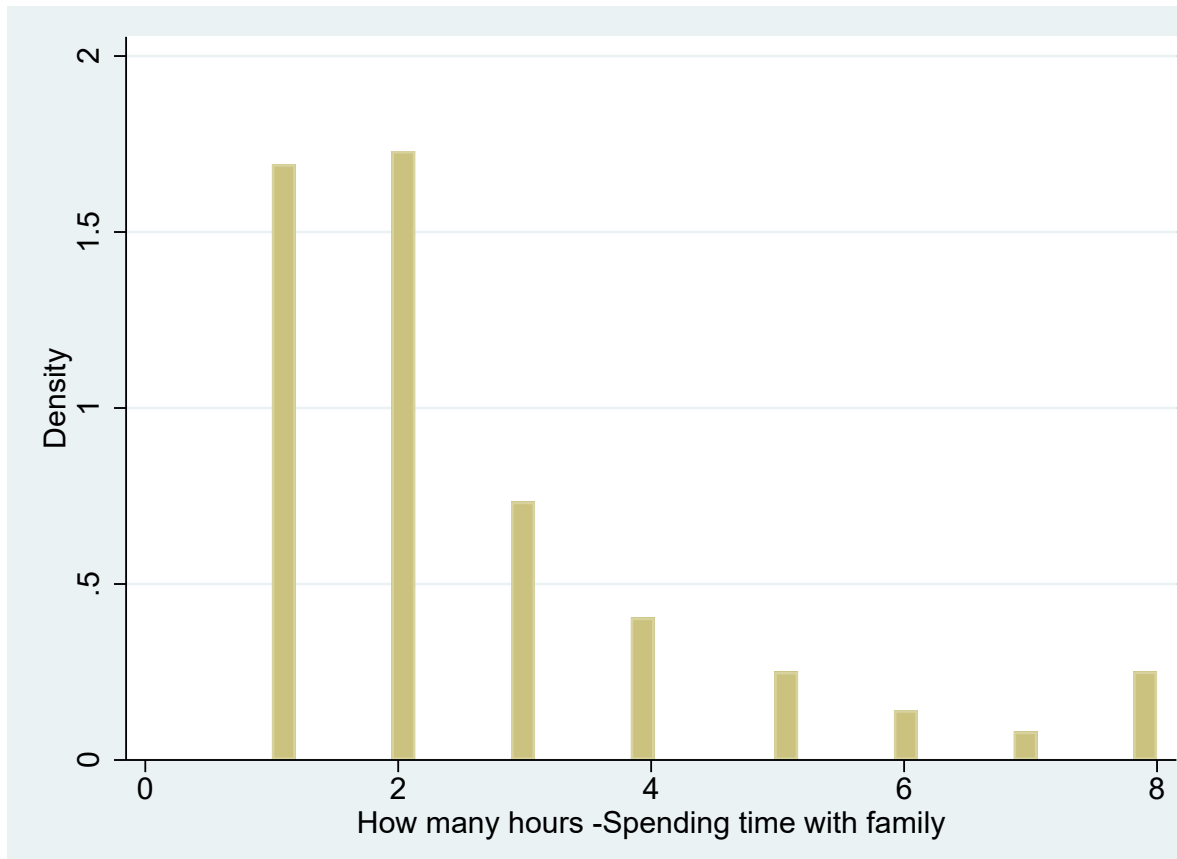
```
(bin=37, start=1, width=.18918919)
```



```
(bin=37, start=1, width=.18918919)
```



(bin=37, start=1, width=.18918919)



## 5. Create univariate count and % frequency tables for all categorical (nominal) variables you plan to analyze

Again, use forloops. Then write a note below with a narrative summary of the distributions and their implications for your study.

In looking at the variable gender, I can see that there are three categories. Since the number of students is small in the last category, I need to decide what will happened to these participants. I also noticed that the number of immigrant students is small compare to the sample, which was expected.

In [28]:

```
order hispanic_1 resident NONRESIDENT_A

foreach x of var hispanic_1-NONRESIDENT_A {
  tab gender `x'
}
```

Gender in supplement al file	Hispanic	
	Y	Total
F	985	985
M	458	458
U	3	3
Total	1,446	1,446

Gender in supplement al file	Resident status		Total
	N	Y	
F	264	2,505	2,769
M	206	1,267	1,473
U	0	7	7
Total	470	3,779	4,249

Gender in supplement al file	Attending college on an education visa (Arrival-Departure Record from I-94, Temp				Total
	N	No	Y	Yes	
F	708	1,875	66	120	2,769
M	428	894	36	115	1,473
U	6	1	0	0	7
Total	1,142	2,770	102	235	4,249



## **6. Make a relevant bivariate table and graph for your study**

Make the appropriate a) bivariate table and b) graph depending on whether your dependent variable is nominal/categorical or interval ratio. If your dependent variable is nominal, make sure it is the row variable in the table. If your independent variable is interval ratio, convert it into an ordinal variable by creating a new variable with 3 to 5 categories each with an equal range of the interval ratio variable. Then use the new ordinal variable as your independent variable in the bivariate table and graph.

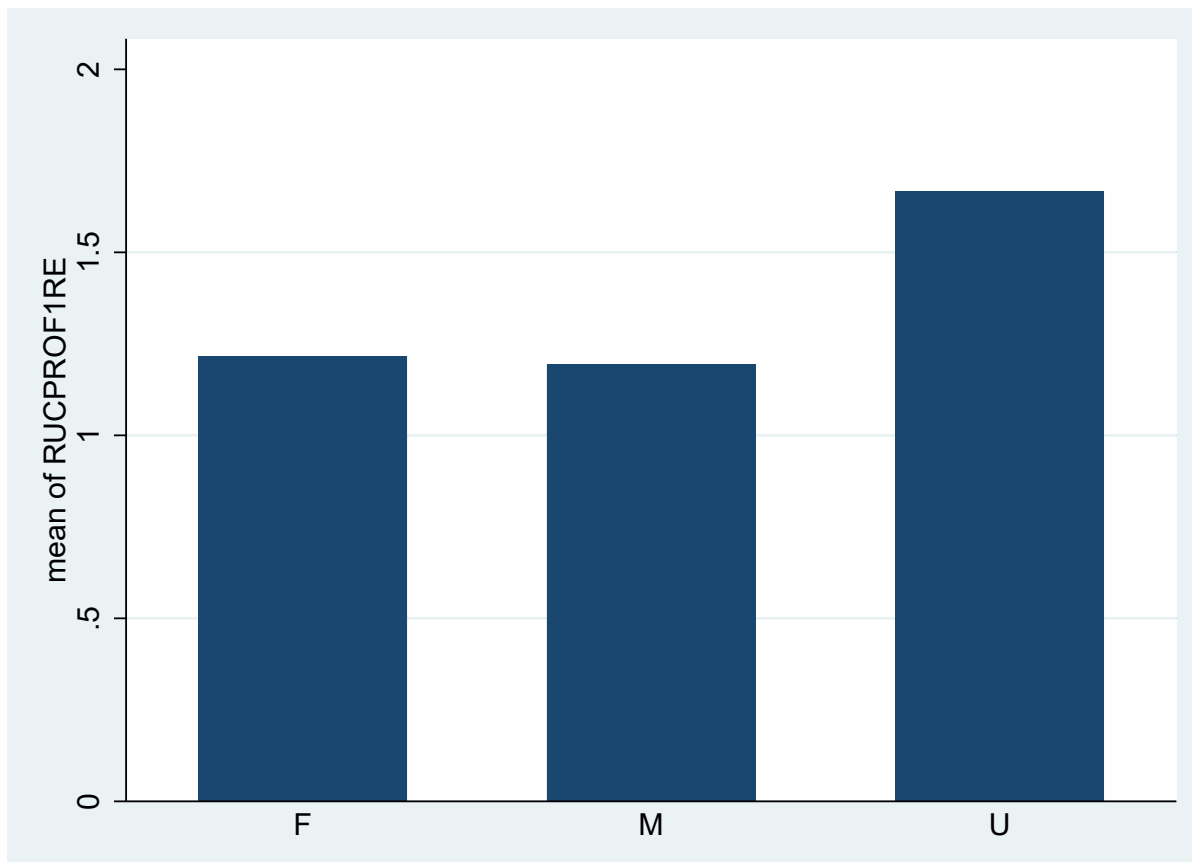
In [99]:

```
oneway RUCPROF1RE gender, tab
graph bar RUCPROF1RE, over(gender)
```

Gender in supplementa l file	Summary of How many professors do you know well enough to ask for a letter of recommendatio		
	Mean	Std. Dev.	Freq.
F	1.2165698	1.0495241	688
M	1.1943128	1.0316446	422
U	1.6666667	1.6329932	6
Total	1.2105735	1.0458182	1,116

Source	Analysis of Variance			F	Prob > F
	SS	df	MS		
Between groups	1.38444428	2	.69222214	0.63	0.5315
Within groups	1218.13079	1113	1.09445713		
Total	1219.51523	1115	1.09373563		

Bartlett's test for equal variances:  $\chi^2(2) = 2.8117$  Prob> $\chi^2 = 0.245$



## 7. Create partial bivariate tables and graphs

For the bivariate table and graph you made for problem 6, split both into partial tables and graphs using one of your nominal/categorical control variables. If your control variable is interval ratio, convert it into an ordinal variable by creating a variable with 3 to 5 categories each with an equal range of the interval ratio variable. Then use the new ordinal variable as your control variable to create the partial tables and graphs.

In [98]:

```
bysort resident:tab RUCPROF1RE gender  
graph bar RUCPROF1RE, over(gender)
```

```

-----
-> resident =
no observations
-----

```

```

-----
-> resident = N

```

How many professors do you know well enough to ask for a letter of recommenda tio	Gender in supplemental file		Total
	F	M	
Zero	19	14	33
1	21	11	32
2	19	7	26
3	1	1	2
4 or more	1	2	3
Total	61	35	96

```

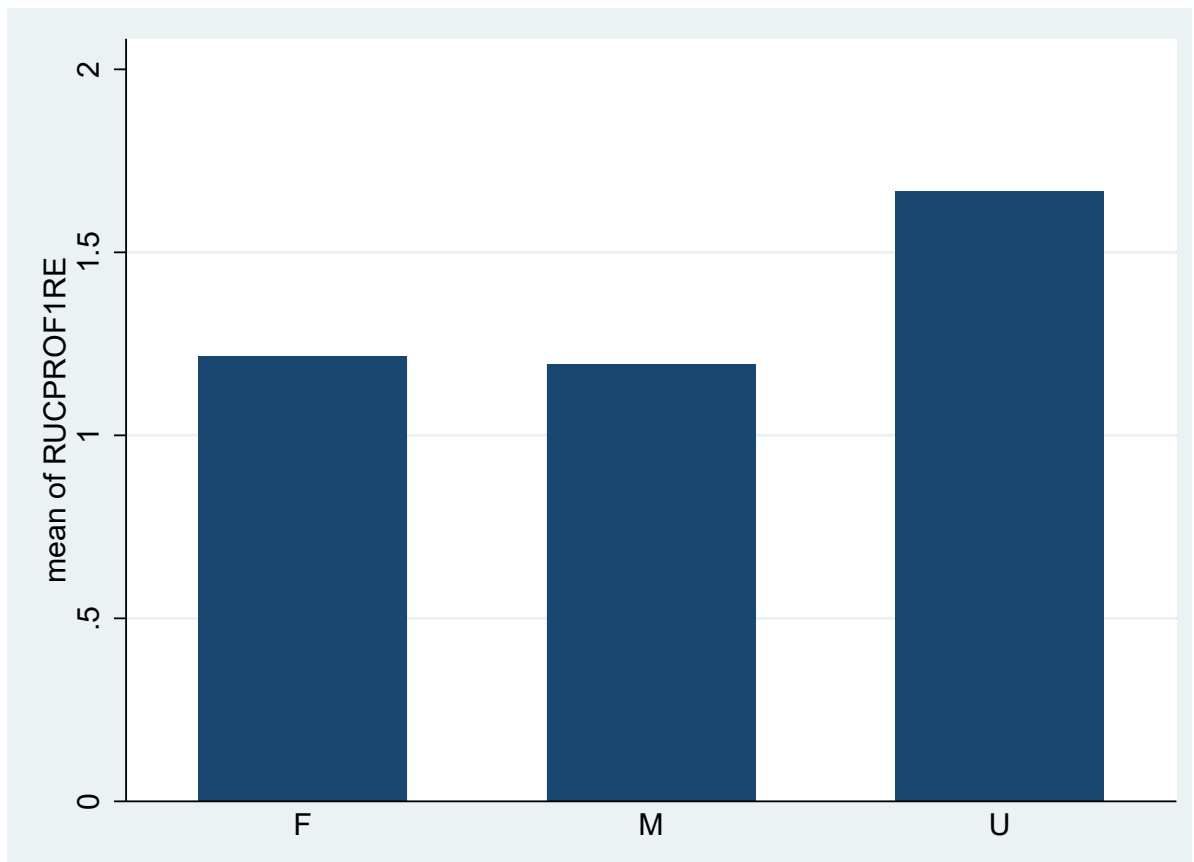
-----
-> resident = Y

```

How many professors do you know well enough to ask for a letter of recommenda tio	Gender in supplemental file			Total
	F	M	U	
Zero	188	104	2	294

1		196	150	1		347
2		174	95	1		270
3		49	24	1		74
4 or more		20	14	1		35
-----+-----+-----						
Total		627	387	6		1,020





## **Interpret of your bivariate and partial tables and graphs**

Is there a relationship between your dependent and independent variables? Is it weak, strong, or non-existent? Do adding controls reveal any spurious, intervening, or interactive relationships? Do they conform with your hypotheses? If not, do you have any ideas for why and how you might test the reason why? In examining the bivariate tables, there is a strong relationship among the dependent and independent. It looks like immigrant males compare to immigrant females have fewer relationships with faculty members, which is the hypothesis I made. I plan to run other dependent variables to see if they also have a strong relationship with the independent variable. As expected, I noticed that there are fewer students who are not residents compared to those who are consider residents. Once I add other students who fall into my category of immigrants, this number should grow.