

## STEM Survey Code Book

Example:

**Gender:** Gender of the Participant (: Male, Female, Other)

**Gender:** Variable name in the csv file

*Gender of the Participant:* The question on the survey

(Male, Female, Other): possible answers

## I Demographics

**Timestamp:** Time of the response

**Gender:** Gender of the Participant (Male, Female, Genderfluid, Transgender female)

**Major:** Major of the Participant

**Minor:** Minor of the Participant

**Ethnic:** Ethnic background

(Factor: African American, Asian, Caucasian, Latino/Hispanic, Other (specify))

\* Notice: Those who select other have their specified responses recorded

**Orientation:** Sexual orientation

(Factor: Heterosexual, Gay/homosexual, Bisexual, Queer, Other(Specify))

\* Notice: Those who select other have their specified responses recorded

**MotherEduc:** Mother's level of education

(High school or less, Two-year college, Four-year college, Graduate or professional degree,

""(No Response))

**FatherEduc:** Father's level of education

(High school or less, Two-year college, Four-year college, Graduate or professional degree,

""(No Response))

**Year:** Year in college

(Freshman, Sophomore, Junior, Senior, fifth year, ""(No Response))

**International:** Are you an international student? (Yes, No, ""(No Response))

**Country:** For international students, please specify country of origin (Character)

**Transfer:** Did you transfer from a community college? (Yes, No, ""(No Response))

**EFL:** Is English your first language? (Yes, No, ""(No Response))

**FirstGen:** Are you the first generation in your family to attend college? (Yes, No, ""(No Response))

**STEM:** Are you a STEM major? (Yes ,No, ""(No Response))

**GPA:** Your UCLA GPA (Numeric, "0" if not established)

**HighGPA:** Your high school GPA (Numeric)

**SameEthnic:** How many friends do you have from your own ethnic background?

**OtherEthnic:** many friends do you have from other ethnic backgrounds?

**II Please answer the following questions by placing a check mark in the relevant column.**

*For this Set of questions: all the possible answers are coded in ("Never", "Rarely", "Sometimes", "Often", "Always", ""(No Responses))*

How often do you...? (Factor)	never	rarely	sometime	often	always
<b><u>Q2.1:</u></b> I get enough sleep.					
<b><u>Q2.2:</u></b> I miss classes.					
<b><u>Q2.3:</u></b> I do my homework.					
<b><u>Q2.4:</u></b> I exercise.					
<b><u>Q2.5:</u></b> I go to office hours.					

**III Help us know UCLA students better by putting a check mark in the appropriate column**

*For this Set of questions: all the possible answers are coded in ("Strongly Agree", "Agree", "Neither Agree or Disagree", "Disagree", "Strongly Disagree", ""(No Responses))*

Statement	Strongly agree	Agree	Neither agree or disagree	Disagree	Strongly disagree
<b><u>Q3.1:</u></b> My family believes STEM majors make more money.					
<b><u>Q3.2:</u></b> My high school prepared me well for STEM classes.					
<b><u>Q3.3:</u></b> My family believes that STEM is more appropriate for males.					
<b><u>Q3.4:</u></b> My family struggled financially when I was growing up.					
<b><u>Q3.5:</u></b> I need to work to pay for my expenses.					

<b>Q3.6:</b> I need to graduate and get a job as soon as possible.					
<b>Q3.7:</b> Most of my friends are from own major.					
<b>Q3.8:</b> The workload in my major is overwhelming.					
<b>Q3.9:</b> The workload in my major does not leave enough room for a social life.					
<b>Q3.10:</b> I experience anxiety about academics.					
<b>Q3.11:</b> I experience anxiety about getting along with my roommates.					
<b>Q3.12:</b> I experience anxiety with my dating life.					
<b>Q3.13:</b> I have learned how to cope with the stress in my academics.					
<b>Q3.14:</b> I seek help when I have an academic problem.					
<b>Q3.15:</b> I have a general idea about what I want to do after graduation.					
<b>Q3.16:</b> I feel excluded at UCLA.					
<b>Q3.17:</b> There is not enough students like me in my major.					
<b>Q3.18:</b> I wish there were more faculty I could identify with.					
<b>Q3.19:</b> I feel I belong at UCLA.					
<b>Q3.20:</b> My parents understand what it takes to get into UCLA.					
<b>Q3.21:</b> My parents understand the value of a college education.					
<b>Q3.22:</b> I am happy at UCLA.					
<b>Q3.23:</b> I am confident in my ability to succeed at UCLA.					
<b>Q3.24:</b> My experiences at UCLA have helped me to interact with diverse groups.					

**Part IV. Please write your response to the following questions. You can use as many words as you like?**

1. **HelpFactor:** Please describe the factors that have helped you succeed academically, socially, emotionally, or otherwise at UCLA? It would be great if you can provide us with examples or tell us a story about something that happened.
2. **InhibitFactor:** Please describe the factors that have inhibited your success academically, socially, emotionally, or otherwise at UCLA? It would be great if you can provide us with examples or tell us a story about something that happened.

## Part V. Indicators

**FamilyValue:** Indicator for family value on education (“Low Value”, “Average Value”, “High Value”)

**Academic:** Indicator for confidence of academic performance (continuous variable from 0 to 1 ,0= Low Confidence, 1=High Confidence) [*Item Reliability: Cronbach’s  $\alpha=0.71$* ]

**SES:** Indicator for socioeconomic struggle (continuous variable from 0 to 1 ,0= Low level of struggle, 1=High level of struggle) [*Item Reliability: Cronbach’s  $\alpha=0.74$* ]

**Belonging:** Indicator for “sense of belonging” (continuous variable from 0 to 1 ,0= Low level of sense of belonging, 1=High level of sense of belonging) [*Item Reliability: Cronbach’s  $\alpha=0.67$* ]

**Stress:** Indicator for “Stress” (continuous variable from 0 to 1 ,0= Low level of stress, 1=High level of stress) [*Item Reliability: Cronbach’s  $\alpha=0.61$* ]

**Exclusion:** Indicator for “Feeling of Exclusion” (continuous variable from 0 to 1 ,0= Not Feeling Much Exclusion, 1=Feeling Much Exclusion) [*Item Reliability: Cronbach’s  $\alpha=0.62$* ]