

CODEBOOK: Outperforming Yet Undervalued: Undergraduate Women in STEM

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Public Data file.

1. ID
 - a. Randomly assigned participant ID number
2. SurveyParticipate
 - a. Did the student participate in the survey portion of the study?
 - i. 0 = No
 - ii. 1 = Yes
3. MultipleEntries
 - a. Indicates if student was enrolled in more than 1 participating course.
 - i. 0 = single entry
 - ii. 1 = first of two double entries
 - iii. 2 = second of two double entries
4. RepeatSurvey
 - a. "Have you taken a survey like this before in another class? If so, please check here:"
 - i. 1 = Yes, I have taken this survey before
 - ii. 2 = No, I have not taken this survey before
 - b. Self-selected option for participants to indicate they participated in the survey through another course
 - c. For all analyses involving survey data (e.g., selecting other students as those they study with), cases where RepeatSurvey=1 were filtered out
5. OptIn
 - a. "If you do not want your data included in aggregate in this research, please check here:"
 - i. 1 = YES, please use my data
 - ii. 2 = NO, please throw out my data
 - iii. Missing = student did not participate in the survey
 - b. Option for survey participants to not have their data included in the study
 - c. For all analyses involving survey data (e.g., selecting other students as those they study with), cases where OptIn=2 were filtered out
6. CRS_GRADE
 - a. Course letter grade supplied by university registrar at the end of the semester

- b. Grades for students enrolled in more than 1 course were counted for each course enrollment
- 7. CourseGradeGPA
 - a. CRS_GRADE letter grade converted to numeric score on a 4.0 GPA scale
 - i. A+ = 4.00
 - ii. A = 4.00
 - iii. A- = 3.67
 - iv. B+ = 3.33
 - v. B = 3.00
 - vi. B- = 2.67
 - vii. C+ = 2.33
 - viii. C = 2.00
 - ix. D = 1.00
 - x. F = 0.00
 - xi. W = system missing
 - xii. I = system missing
- 8. ZCourseGrade
 - a. Students' standardized CourseGradeGPA
 - b. Standardized within individual courses (not overall)
- 9. CourseID
 - a. Anonymous code assigned to individual course
- 10. CourseType
 - a. Area of course
 - i. 1 = life science
 - ii. 2 = physical science
- 11. CourseLevel
 - a. Level of course
 - i. 1 = 100 level (1st year difficulty)
 - ii. 2 = 200 level (2nd year difficulty)
 - iii. 3 = 300 level (3rd year difficulty)
 - iv. 4 = 400 level (4th year difficulty)
- 12. UniversityGPA
 - a. Overall university-wide GPA
 - b. 0 – 4.00 scale
- 13. StudentClass
 - a. Level of individual student advancement
 - b. String variable
- 14. Gender
 - a. 0=male
 - b. 1=female

15. Minority

- a. 0=not a minority student
- b. 1=minority student

16. FirstGen

- a. 0 = not a 1st generation student
- b. 1 = 1st generation student

17. STEMmajor

- a. 0 = not registered as a STEM major
- b. 1 = registered as a STEM major

18. Age

- a. Age of participants, self-identified

19. Study_F

- a. Number of women selected by survey participants as those they study with

20. Study_M

- a. Number of men selected by survey participants as those they study with

21. TotalINStudy

- a. Total number of students selected as those survey participants study with
- b. Includes selection of women or men
- c. Range possible = 0-5

22. StudyFProp

- a. Proportion of women selected out of the total number of students selected as those survey participants study with

23. Help_F

- a. Number of women selected by survey participants as those they seek help from

24. Help_M

- a. Number of men selected by survey participants as those they seek help from

25. TotalINHelp

- a. Total number of students selected as those survey participants go to for help
- b. Includes selection of women or men
- c. Range possible = 0-5

26. HelpFProp

- a. Proportion of women selected out of the total number of students selected as those survey participants go to for help

27. Know_F

- a. Number of women selected by survey participants as those they believe are most knowledgeable about course material

28. Know_M

- a. Number of men selected by survey participants as those they believe are most knowledgeable about course material

29. TotalNKnow

- a. Total number of students selected as those survey participants find most knowledgeable about course material
- b. Includes selection of women or men
- c. Range possible = 0-5

30. KnowFProp

- a. Proportion of women selected out of the total number of students selected as those survey participants find most knowledgeable about course material

31. Best1

- a. Gender of student selected by participant as the 1st best student in the course
- b. 0 = male
- c. 1 = female

32. Best2

- a. Gender of student selected by participant as the 2nd best student in the course
- b. 0 = male
- c. 1 = female

33. Best3

- a. Gender of student selected by participant as the 3rd best student in the course
- b. 0 = male
- c. 1 = female

34. Best4

- a. Gender of student selected by participant as the 4th best student in the course
- b. 0 = male
- c. 1 = female

35. Best5

- a. Gender of student selected by participant as the 5th best student in the course
- b. 0 = male
- c. 1 = female

36. TotalNBest

- a. Total number of students selected for the top 5 best students in the course
- b. Participants had the option of selecting 0-5 top students

- c. Selected students were rank ordered

37. BestFProp

- a. Proportion of women selected out of the total number of students selected as the top 5 best in the course

38. Filter

- a. Removes participants who:
 - i. Took the survey more than once (RepeatSurvey = 1), or
 - ii. Opted to not have their data included in the study (Optin = 2; data is retained for calculation of course GPA and university GPA)
- b. 0 = data filtered out
- c. 1 = data included