

Survey of Attitudes Toward Statistics

Pre
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DIRECTIONS: The statements below are designed to identify your attitudes about statistics. Each item has 7 possible responses. The responses range from 1 (strongly disagree) through 4 (neither disagree nor agree) to 7 (strongly agree). If you have no opinion, choose response 4. Please read each statement. Mark the one response that most clearly represents your degree of agreement or disagreement with that statement. Try not to think too deeply about each response. Record your answer and move quickly to the next item. Please respond to all of the statements.

| | Strongly disagree | | | | Neither disagree nor agree | | | Strongly agree |
|---|----------------------|---|---|---|----------------------------------|---|---|-------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| I plan to complete all of my statistics assignments. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| I plan to work hard in my statistics course. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| I will like statistics. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| I will feel insecure when I have to do statistics problems. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| I will have trouble understanding statistics because of how I think. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Statistics formulas are easy to understand. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Statistics is worthless. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Statistics is a complicated subject. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Statistics should be a required part of my professional training. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Statistical skills will make me more employable. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| I will have no idea of what's going on in this statistics course. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| I am interested in being able to communicate statistical information to others. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |

| | Strongly disagree | 2 | 3 | Neither disagree nor agree | 5 | 6 | Strongly agree |
|---|-------------------|---|---|----------------------------|---|---|----------------|
| Statistics is not useful to the typical professional. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I plan to study hard for every statistics test. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I will get frustrated going over statistics tests in class. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Statistical thinking is not applicable in my life outside my job. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I use statistics in my everyday life | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I will be under stress during statistics class. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I will enjoy taking statistics courses. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I am interested in using statistics. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Statistics conclusions are rarely presented in everyday life. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Statistics is a subject quickly learned by most people. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I am interested in understanding statistical information. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Learning statistics requires a great deal of discipline. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I will have no application for statistics in my profession. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I will make a lot of math errors in statistics. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I plan to attend every statistics class session. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I am scared by statistics. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I am interested in learning statistics. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Statistics involves massive computations. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

| | Strongly disagree | | | Neither disagree nor agree | | | Strongly agree |
|---|-------------------|---|---|----------------------------|---|---|----------------|
| I can learn statistics. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I will understand statistics equations. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Statistics is irrelevant in my life. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Statistics is highly technical. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I will find it difficult to understand statistical concepts. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Most people have to learn a new way of thinking to do statistics. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

Please notice that the labels for each scale on the rest of this page change from item to item.

| | | | | | | | |
|---|---------------------------|---|---|---------|---|---|---------------------|
| How well did you do in mathematics courses you have taken in the past? | Very poorly 1 | 2 | 3 | 4 | 5 | 6 | Very well 7 |
| How good at mathematics are you? | Very poor 1 | 2 | 3 | 4 | 5 | 6 | Very good 7 |
| In the field in which you hope to be employed when you finish school, how much will you use statistics? | Not at all 1 | 2 | 3 | 4 | 5 | 6 | Great deal 7 |
| How confident are you that you can master introductory statistics material? | Not at all confident 1 | 2 | 3 | 4 | 5 | 6 | Very confident 7 |
| Are you required to take this statistics course (or one like it) to complete your degree program? | Yes 1 | | | No 2 | | | Don't know 3 |
| If the choice had been yours, how likely is it that you would have chosen to take any course in statistics? | Not at all likely 1 | 2 | 3 | 4 | 5 | 6 | Very likely 7 |

DIRECTIONS: For each of the following statements mark the one best response. Notice that the response scale changes on each item.

What is your major? If you have a double major, pick the one that bests represents your interests.

- | | | |
|--------------------|--------------------------|---------------------------|
| 1. Arts/Humanities | 6. Education | 11. Sociology/Social Work |
| 2. Biology | 7. Engineering | 12. Statistics |
| 3. Business | 8. Mathematics | 13. Other |
| 4. Chemistry | 9. Medicine/Pre-Medicine | |
| 5. Economics | 10. Psychology | |

Current grade point average (please estimate if you don't know; give only one single numeric response: e.g., 3.52). If you do not yet have a grade point average, please enter 99: _____

For each of the following three items, give one single numeric response (e.g., 26). Please estimate if you don't know exactly.

Number of credit hours earned toward the degree you are currently seeking (don't count this semester): _____

Number of high school mathematics and/or statistics courses completed: _____

Number of college mathematics and/or statistics courses completed (don't count this semester): _____

Degree you are currently seeking:

- | | |
|--------------|------------------------------|
| 1. Associate | 5. Certification |
| 2. Bachelors | 6. Post-bachelor's Licensure |
| 3. Masters | 7. Specialist |
| 4. Doctorate | 8. Other |

What grade do you expect to receive in this course?

- | | | | |
|-------|-------|--------|-------|
| 1. A+ | 5. B | 9. C- | 13. F |
| 2. A | 6. B- | 10. D+ | |
| 3. A- | 7. C+ | 11. D | |
| 4. B+ | 8. C | 12. D- | |

In order to describe the characteristics of your class as a whole, we need your responses to the following items.

Your sex: 1. Male 2. Female

Your citizenship: 1. US citizen 2. Foreign student 3. Other

Your age (in years): _____