ASA 2017-2018 Masters Follow-Up Survey

Start of Block: Purpose Statement

Q1 Thank you for your participation in this survey. The American Statistical Association has initiated this survey in order to gather more information about students who have completed master's degrees in statistics or fields closely related to statistics all across the country. This information will be invaluable for understanding some of the outcomes of completing these kinds of degree programs and will also provide insight into the ways that future students can be further supported. We greatly appreciate your willingness to complete this survey and thank you for sharing your responses.

End of Block: Purpose Statement

Start of Block: Introduction

Q2 This survey is managed by the Center for Evaluation and Assessment at the University of Iowa. Your responses are located on a secure server. All individual responses are kept confidential. The results will be reported only in aggregate form. For example, a summary of the results will be shared in Amstat News (http://magazine.amstat.org/blog/2018/10/01/bachelors-survey/). If you have any questions or comments about this survey, email the Director of the Center for Evaluation and Assessment, Dr. Liz Hollingworth, at liz-hollingworth@uiowa.edu.

Q3 Did you receive a master's degree in statistics or a related field in the 2017 - 2018 academic year?

   ○ Yes (1)
   ○ No (2)

Display This Question:
If Did you receive a master's degree in statistics or a related field in the 2017 - 2018 academic year? = No
Q75 What institution did you receive this survey link from?

▼ None of these (1) ... Yale University (193)

Q76 Please enter the name of the institution:

___________________________________________________________

Q4 What institution did you receive the degree from? If you do not see the institution listed, please select the first option, "None of these."

▼ None of these (1) ... Yale University (193)

Q73 Please enter the name of the institution:

___________________________________________________________

End of Block: Introduction

Start of Block: Status Information

Q5 Answer the following questions about your status as of March 6, 2019.
Q6 As of March 6, 2019, what was your academic enrollment status?

- Full-time in a degree program (1)
- Part-time in a degree program (2)
- Not enrolled in a degree program (3)
- Planning to begin a degree program in the future (4)

Q7 As of March 6, 2019, what was your employment status? (Employed includes active military)

- Employed as a teaching or research assistant while enrolled in graduate school (1)
- Employed full-time (35 hours or more a week) (2)
- Employed part-time (3)
- Not employed (4)
- Other: ________________________________________________________________

End of Block: Status Information

Start of Block: Degree Information

Q8 When in the 2017-2018 academic year did you receive your master's degree in statistics or a statistics-related field?

<table>
<thead>
<tr>
<th>Please Select: (1)</th>
<th>Year</th>
<th>Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>▼ 2018 (1 ... 2017 (2)</td>
<td>▼ January (1 ... December (12)</td>
<td></td>
</tr>
</tbody>
</table>
Q9 From the time you first enrolled, about how long did it take to obtain your master’s degree?

<table>
<thead>
<tr>
<th>Years</th>
<th>Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>(1)</td>
</tr>
</tbody>
</table>

Please enter the amount: (1)

Q10 Which of the following best describes your master’s degree field?

- General Statistics (1)
- Applied Statistics (2)
- Actuarial Science (3)
- Data Science (4)
- Informatics (5)
- Biostatistics (6)
- Mathematics (7)
- Mathematics, with a statistics emphasis (8)
- Other: ____________________________________________________________
Q11 Which of the following best describes your bachelor's degree field?

▼ None of these (1) ... Zoology (323)

Display This Question:
If Which of the following best describes your bachelor's degree field? = None of these

Q74 Please enter your bachelor's degree field:
________________________________________________________________
End of Block: Degree Information

Start of Block: Employment as of March 6, 2019

Q12 Think back to the time you accepted the position you held as of March 6, 2019. How many job offers did you receive, including the position that you accepted? (Please enter the number in numeric form.)

___________________________________________________

Q13 Please describe your job search experiences, including what helped you locate and secure the position you held as of March 6, 2019.
________________________________________________________________
________________________________________________________________
________________________________________________________________
________________________________________________________________

Q14 What was the name of your employer as of March 6, 2019? If you worked for a contracting or consulting company, report the name of the company, not the client organization.
________________________________________________________________
Q15 Which of the following sectors best describes your employer as of March 6, 2019?

- Elementary or middle school (1)
- High school (2)
- Two-year college (3)
- Four-year college or university (4)
- University-affiliated research institute (5)
- Company or business (6)
- Insurance (7)
- Finance or Banking (8)
- Pharmaceutical (9)
- Technology (10)
- Hospital or medical facility (11)
- Nonprofit organization (12)
- Research (Private Sector) (13)
- Government contractor (14)
- Self-employed and/or consultant (15)
- Other private sector, specify: (16) ________________________________
- Government lab (17)
- Federal statistical agency (18)
- Other federal agency: (19) ________________________________
- State or local government (20)
Q16 What was your professional title as of March 6, 2019?

________________________________________________

Q17 Where was the position you held as of March 6, 2019 located?

○ In the U.S. (1)

○ Outside of the U.S. (2)

Display This Question:

If Where was the position you held as of March 6, 2019 located? = In the U.S.

Q18 Where in the U.S. was the position you held as of March 6, 2019 located?

▼ Alabama (1) ... I do not reside in the United States (53)

Display This Question:

If Where was the position you held as of March 6, 2019 located? = Outside of the U.S.

Q19 In which country was the position you held as of March 6, 2019 located?

▼ Afghanistan (1) ... Zimbabwe (195)
Q20 Is your position salaried or hourly?

○ Salaried (1)
○ Hourly (2)

Display This Question:
If Is your position salaried or hourly? = Salaried

Q21 What was your annual base salary as of March 6, 2019? (Please enter the number in numeric form.) Do not include bonuses, overtime, or additional compensation for summertime teaching or research.

________________________________________________________________

Display This Question:
If Is your position salaried or hourly? = Hourly

Q22 What was your hourly wage as of March 6, 2019? (Please enter the number in numeric form.)

________________________________________________________________

Display This Question:
If Is your position salaried or hourly? = Hourly

Q23 About how many hours do you work during a typical week? (Please enter the number in numeric form.)

________________________________________________________________
Q24 Which category most closely describes how frequently you used the following skills or perform the following activities in your position as of March 6, 2019?

<table>
<thead>
<tr>
<th>Activity</th>
<th>Rarely or Never (1)</th>
<th>Monthly (2)</th>
<th>Weekly (3)</th>
<th>Daily (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work on a team</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public speaking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work with customers or clients</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manage people</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manage projects</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manage finances or budgets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perform quality control</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solve technical problems</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical writing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-technical writing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Q25 Which category most closely describes how frequently you used the following skills or perform the following activities in your position as of March 6, 2019?

<table>
<thead>
<tr>
<th>Activity</th>
<th>Rarely or Never (1)</th>
<th>Monthly (2)</th>
<th>Weekly (3)</th>
<th>Daily (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use statistics or advanced math</td>
<td>○</td>
<td></td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Analyze and interpret data</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Use or develop statistical models</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Design experiments</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Survey research</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Programming or systems software</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Tech support or computer administration</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Manage databases</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Query databases</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

Q26 Please describe any other technical or non-technical skills you perform weekly or daily in your position as of March 6, 2019 but that were not listed in the previous question:

________________________________________________________________________

________________________________________________________________________
Q27 Which category most closely describes how frequently you used the following skills or perform the following activities in your position as of March 6, 2019?

<table>
<thead>
<tr>
<th></th>
<th>Rarely or Never (1)</th>
<th>Monthly (2)</th>
<th>Weekly (3)</th>
<th>Daily (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>SAS (2)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>JMP (3)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Minitab (4)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>SPSS (5)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Python (6)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Java (7)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>SQL (8)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Tableau (9)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Excel (10)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Other: (11)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
Q28 How influential do you feel your statistics or statistics related master’s degree was in securing your current position?

- Very influential (4)
- Somewhat influential (3)
- Not very influential (2)
- Not at all influential (1)

Q29 Rate your level of satisfaction with the position you held as of March 6, 2019.

<table>
<thead>
<tr>
<th></th>
<th>Very satisfied (4)</th>
<th>Somewhat satisfied (3)</th>
<th>Somewhat dissatisfied (2)</th>
<th>Very dissatisfied (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall satisfaction</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>(1) Salary and benefits</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>(2) Job security</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>(3) Opportunity for advancement</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>(4) Intellectual challenge</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>(5) Level of responsibility</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>(6)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

End of Block: Employment as of March 6, 2019

Start of Block: Academic Enrollment as of March 6, 2019.
Q30 What broad field were you pursuing at the institution you attended as of March 6, 2019?

- Statistics (1)
- Biostatistics (2)
- Data science (3)
- Other: ________________________________________________

Q31 What is the highest degree you intended to receive in the broad field you were pursuing as of March 6, 2019?

- Doctorate (1)
- Master’s (2)
- MD (3)
- Other professional degree (includes JD, MBA, etc) (4)
- Other: ________________________________________________
- Unsure (6)
Q32 What degree program were you enrolled in as of March 6, 2019?

- Doctorate (1)
- Master’s (2)
- MD (3)
- Other professional degree (includes JD, MBA, etc) (4)
- Other: ________________________________________________________ (5)
- Not enrolled in a specific degree program (6)

Q33 When did you enroll at the department you attended as of March 6, 2019?

Please Select: (1) ▼ January (1 ... December (12) ▼ 1900 (1 ... 2049 (150))

Q34 What was the name of the institution you attended as of March 6, 2019?

________________________________________________________________

Q35 Where was the institution you attended as of March 6, 2019 located?

- In the U.S. (1)
- Outside of the U.S. (2)
Q36 Where in the U.S. was the institution you attended as of March 6, 2019 located?

- Alabama (1) ... I do not reside in the United States (53)

Q37 In which country was the institution you attended as of March 6, 2019 located?

- Afghanistan (1) ... Zimbabwe (195)

Q38 What was your primary source of financial support at the institution you attended as of March 6, 2019?

- Teaching Assistantship (1)
- Research Assistantship (2)
- Fellowship (3)
- Scholarship. Please provide the name: (4)
- Family, savings, and/or loan (5)
- Tuition reimbursement from outside employment (6)
- Wages from outside employment (7)
- Military (8)
- Other: (9)

__________________________________________________________
Q39 What was your annual base stipend or salary? (Please enter the number in numeric form.)

You may report the amount in terms of an annual salary or an hourly rate.

- Annual Salary: (1) ________________________________________________
- Hourly Rate: (2) ________________________________________________

Q40 About how many hours do you work during a typical week? (Please enter the number in numeric form.)

________________________________________________________________

End of Block: Academic Enrollment as of March 6, 2019.

Start of Block: Not Employed

Q41 You indicated that you were not employed as of March 6, 2019. Were you seeking employment at that time?

- No (1)
- Yes (2)
Q42 How many months had you spent actively seeking employment? (Please enter the number in numeric form.)

__________________________________________________________________________
__________________________________________________________________________

Q43 Please describe some of the difficulties or barriers you faced in your job search experiences as of March 6, 2019:

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

Q44 What types of experiences, training, or other qualifications do you feel would have helped you secure a position?

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
Q45 Where were you residing as of March 6, 2019?

- In the U.S. (1)
- Outside of the U.S. (2)

Display This Question:
If Where were you residing as of March 6, 2019? = In the U.S.

Q46 Where in the U.S. were you residing as of March 6, 2019?

- Alabama (1) ... I do not reside in the United States (53)

Display This Question:
If Where were you residing as of March 6, 2019? = Outside of the U.S.

Q47 In which country were you residing as of March 6, 2019?

- Afghanistan (1) ... Zimbabwe (195)

End of Block: Not Employed

Start of Block: Enrollment Plans

Q48 What are your plans for enrolling in a degree program?

- In the next academic year (1)
- In two or three years (2)
- In more than three years (3)
- Unsure of when (4)
Q49 In which broad field do you intend to enroll? *Choose only one.*

- Statistics (1)
- Biostatistics (2)
- Data science (3)
- Other: (4) ________________________________________________
- Unsure (5)

Q50 What is the highest degree you intend to receive in that broad field? *Check only one.*

- Doctorate (1)
- Master’s (2)
- MD (3)
- Other professional degree (includes JD, MBA, etc) (4)
- Other: (5) ________________________________________________
- Unsure (6)

End of Block: Enrollment Plans

Start of Block: Other Employment

Q51
You indicated you were not enrolled in school and that your employment status was "other."

Please describe your circumstances as of March 6, 2019.

________________________________________________________________
________________________________________________________________
________________________________________________________________
________________________________________________________________
Q52 Where were you residing as of March 6, 2019?
- In the U.S. (1)
- Outside of the U.S. (2)

Display This Question:
If Where were you residing as of March 6, 2019? = In the U.S.

Q53 Where in the U.S. were you residing as of March 6, 2019?
- ▼ Alabama (1) ... I do not reside in the United States (53)

Display This Question:
If Where were you residing as of March 6, 2019? = Outside of the U.S.

Q54 In which country were you residing as of March 6, 2019?
- ▼ Afghanistan (1) ... Zimbabwe (195)

End of Block: Other Employment
Start of Block: Looking Back

Q55 Did your statistics department or faculty provide any career guidance?
- Yes (1)
- No (2)
Q56 Did you utilize your on-campus career counseling center?

- Yes (1)
- No (2)

Display This Question:
If Did you utilize your on-campus career counseling center? = Yes

Q57 Did you find your on-campus career counseling center useful?

- Yes (1)
- No (2)

Display This Question:
If Did you utilize your on-campus career counseling center? = Yes

Q58 Please elaborate on why the center was or was not useful:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Q59 Indicate your agreement with the following statements about your master’s program.
Q60 My master’s program prepared me to effectively analyze and interpret data critically using statistical models.

- Strongly disagree (1)
- Disagree (2)
- Neither agree nor disagree (3)
- Agree (4)
- Strongly agree (5)

Q61 My master’s program prepared me to effectively analyze and interpret data critically using computational methods.

- Strongly disagree (1)
- Disagree (2)
- Neither agree nor disagree (3)
- Agree (4)
- Strongly agree (5)

Q62 My master’s program prepared me to effectively communicate, both orally and in written form, results of statistical analyses to a variety of audiences.

- Strongly disagree (1)
- Disagree (2)
- Neither agree nor disagree (3)
- Agree (4)
- Strongly agree (5)
Q63 From the perspective of your status as of March 6, 2019, what would you do differently concerning your master’s education?

________________________________________________________________
________________________________________________________________
________________________________________________________________
________________________________________________________________

End of Block: Looking Back

Start of Block: Demographics

Q64 What is your gender identity?

- Female (1)
- Male (2)
- Prefer to self-describe: (3) ____________________________________________
- Prefer not to say (4)

Q65 Transgender is an identity term referring to people whose expressions and/or behaviors differ from those associated with their assigned biological sex at birth. Do you identify as transgender?

- Yes (1)
- No (2)
- Prefer to self-describe: (3) ____________________________________________
- Prefer not to say (4)
Q66 What is your year of birth?

Q67 What is your citizenship status?

- U.S. citizen (1)
- Non US-citizen, H1-B visa (2)
- Non US-citizen, other temporary visa (3)
- Non US-citizen, permanent resident status (4)
- Non US-citizen, other (5)

Display This Question:
If What is your citizenship status? != U.S. citizen

Q68 What is your country of citizenship?

- Afghanistan (1) ... Zimbabwe (195)

Q69 Do you have any advice for current statistics students?

________________________________________________________________
________________________________________________________________
________________________________________________________________
________________________________________________________________

_____________________________________________________________
End of Block: Demographics

Start of Block: Notification

Q70 Would you like to be notified when the results of this study are posted on the American Statistical Association's website?

○ Yes (1)
○ No (2)

Display This Question:

If Would you like to be notified when the results of this study are posted on the American Statistical Association's website?

Yes

Q71 Email address to send notification:


End of Block: Notification