Expected Outcome 1: Career preparation

Graduates should have the statistical knowledge and skill appropriate for a range of professional careers or further graduate studies.

Assessment Method 1: Evaluation by advisory committees

Assessment Method Description

Each student is required to complete a final project designed by the student's advisory committee and give an oral presentation. Each member of the advisory committee will individually assess the student's career preparedness, and answer the questions using the following five categories.

- Strongly agree: The committee member strongly agrees with the judgment.
- Agree: The committee member agrees with the judgment.
- Neutral: The committee member is neutral about the judgment.
- Disagree: The committee member disagrees with the judgment.
- Strongly disagree: The committee member strongly disagrees with the judgment.
Findings

Since there is no student graduated from this program from 2013 to 2014, the evaluation method is not applicable.

How did you use findings for improvement?
It is not applicable.

Additional Comments
**Assessment Method 2:** Program evaluation by graduating students

**Assessment Method Description**
Students will be encouraged to complete exit surveys to assess their experience in the master’s program and, in particular, their career preparedness. The student will answer the questions using the following five categories.

- Strongly agree: The student strongly agrees with the judgment.
- Agree: The student agrees with the judgment.
- Neutral: The student is neutral about the judgment.
- Disagree: The student disagrees with the judgment.
- Strongly disagree: The student strongly disagrees with the judgment.

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**Department of Mathematics and Statistics**

**Exit Survey for M.S./M.P.S. Students (Statistics)**

This survey is intended to collect information from graduates in order to strengthen and improve the graduate program. Your answers are absolutely confidential and will not be linked to you in any way. Please be candid, honest, and thoughtful while answering.

What degree are you completing?  M.S. □  M.P.S. □
Where you are going after graduation? ______________________________________________________

Please answer the following questions for self-evaluation.

1. I have a clear understanding of statistical concepts.
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

2. I have a solid understanding of theory in Probability and Statistics.
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

3. I am familiar with common statistical models and methods.
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

4. I am proficient in at least one statistical software (SAS, R or similar).
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

5. I understand how to formulate a real problem into an appropriate statistical model.
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

6. I am confident in analyzing data independently.
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

7. I am confident in communicating statistical findings with clients/non-statistician.
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

8. I am confident in giving a presentation.
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

9. I understand how to write a statistical report.
   - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5

10. I am satisfied with my academic performance at Auburn.
    - [ ] 1  [ ] 2  [ ] 3  [ ] 4  [ ] 5
Findings

Since there is no student graduated from this program from 2013 to 2014, the evaluation method is not applicable.

How did you use findings for improvement?
It is not applicable.

Expected Outcome 2: Communication skills and statistical consulting

Graduates should be able to formulate real problems into statistical questions and communicate statistical methods and results to clients with little statistical background, both orally and in writing.

Assessment Method 1: Evaluation by advisory committees

Assessment Method Description
Each student is required to complete a final project designed by the student's advisory committee and give an oral presentation. Each member of the advisory committee will individually assess the student's communication skills, and answer the questions using the following five categories.

- Strongly agree: The committee member strongly agrees with the judgment.
- Agree: The committee member agrees with the judgment.
- Neutral: The committee member is neutral about the judgment.
- Disagree: The committee member disagrees with the judgment.
- Strongly disagree: The committee member strongly disagrees with the judgment.

Findings
Since there is no student graduated from this program from 2013 to 2014, the evaluation method is not applicable.

How did you use findings for improvement?
It is not applicable.

Additional Comments
Assessment Method 2: Program evaluation by graduating students

Assessment Method Description
Students will be encouraged to complete exit surveys to assess their experience in the master’s program and, in particular, their career preparedness. The student will answer the questions using the following five categories.
Strongly agree: The student strongly agrees with the judgment.
Agree: The student agrees with the judgment.
Neutral: The student is neutral about the judgment.
Disagree: The student disagrees with the judgment.
Strongly disagree: The student strongly disagrees with the judgment.

Findings
Since there is no student graduated from this program from 2013 to 2014, the evaluation method is not applicable.

How did you use findings for improvement?
It is not applicable.

Expected Outcome 3: Knowledge and understanding of statistical theory
Graduates should have an adequate understanding of mathematical basis and foundations of probability and statistics and be able to comprehend related technical content.

Assessment Method 1: Evaluation by advisory committees

Assessment Method Description
Each student is required to complete a final project designed by the student's advisory committee and give an oral presentation. Each member of the advisory committee will individually assess the student's knowledge and understanding of statistical theory, and answer the questions using the following five categories.
Strongly agree: The committee member strongly agrees with the judgment.
Agree: The committee member agrees with the judgment.
Neutral: The committee member is neutral about the judgment.
Disagree: The committee member disagrees with the judgment.
Strongly disagree: The committee member strongly disagrees with the judgment.
Findings
Since there is no student graduated from this program from 2013 to 2014, the evaluation method is not applicable.

How did you use findings for improvement?
It is not applicable.

Additional Comments
Assessment Method 2: Program evaluation by graduating students

Assessment Method Description
Students will be encouraged to complete exit surveys to assess their experience in the master’s program and, in particular, their level of knowledge and understanding of statistical theory. The student will answer the questions using the following five categories.
Strongly agree: The student strongly agrees with the judgment.
Agree: The student agrees with the judgment.
Neutral: The student is neutral about the judgment.
Disagree: The student disagrees with the judgment.
Strongly disagree: The student strongly disagrees with the judgment.

Findings
Since there is no student graduated from this program from 2013 to 2014, the evaluation method is not applicable.

How did you use findings for improvement?
It is not applicable.

Expected Outcome 4: Skills on statistical modeling and data analysis
Graduates should have an adequate understanding of common statistical methods and techniques for data analysis and be proficient in at least one statistical software.

Assessment Method 1: Evaluation by advisory committees

Assessment Method Description
Each student is required to complete a final project designed by the student's advisory committee and give an oral presentation. Each member of the advisory committee will individually assess the student's skills on statistical modeling and data analysis, and answer the questions
using the following five categories.
Strongly agree: The committee member strongly agrees with the judgment.
Agree: The committee member agrees with the judgment.
Neutral: The committee member is neutral about the judgment.
Disagree: The committee member disagrees with the judgment.
Strongly disagree: The committee member strongly disagrees with the judgment.

Findings
Since there is no student graduated from this program from 2013 to 2014, the evaluated method is not applicable.

How did you use findings for improvement?
It is not applicable.

Additional Comments
Assessment Method 2: Program evaluation by graduating students

Assessment Method Description
Students will be encouraged to complete exit surveys to assess their experience in the master’s program and, in particular, their skills on statistical modeling and analysis. The student will answer the questions using the following five categories.
Strongly agree: The student strongly agrees with the judgment.
Agree: The student agrees with the judgment.
Neutral: The student is neutral about the judgment.
Disagree: The student disagrees with the judgment.
Strongly disagree: The student strongly disagrees with the judgment.

Findings
Since there is no student graduated from this program from 2013 to 2014, the evaluated method is not applicable.

How did you use findings for improvement?
It is not applicable.

Additional Comments