

POST-COURSE SURVEY

Demographics

- 1.] What is your name?_____
- 2.] What is your gender?_____
- 3.] What is your major?_____
- 4.] Circle your class standing: freshman, sophomore, junior, or senior.

Proficiency

- 5.] In the list below, circle the computing or typesetting programs that you've learned or used in our course. For every program that you circle, indicate your proficiency on a scale of 1 to 5, where 1 is very low proficiency and 5 is very high proficiency.

- | | | |
|----------------|---------------|-----------------------------------|
| • Python | • Mathematica | • Microsoft Word |
| • C++ | • Gurobi | • L ^A T _E X |
| • Java | • AMPL | • Powerpoint |
| • Excel Solver | • LINDO | • Beamer |
| • Maple | • CPLEX | • Zoom |

Others (please specify): _____

Confidence

- 6.] Consider the following statement: "After taking the course, I am more confident that I can learn a new technology, such as Python or Excel Solver, to perform programming tasks to solve mathematical problems." Circle one option below that indicates how strongly you agree/disagree with that statement:

(1) Strongly Agree, (2) Agree, (3) Disagree, (4) Strongly Disagree.

- 7.] Consider the following statement: "After taking the course, I am more confident in using a technology, such as Python or Excel Solver, to perform programming tasks to solve mathematical problems." Circle one option below that indicates how strongly you agree/disagree with that statement:

(1) Strongly Agree, (2) Agree, (3) Disagree, (4) Strongly Disagree.

- 8.] Consider the following statement: "After taking the course, I am more confident using typesetting software, such as L^AT_EX, to prepare scientific documents related to mathematics." Circle one option below that indicates how strongly you agree/disagree with that statement:

(1) Strongly Agree, (2) Agree, (3) Disagree, (4) Strongly Disagree.

- 9.] Consider the following statement: "After taking the course, if I were to open a blank source file for Python, Excel Solver, or \LaTeX right now, I would probably be more sure how to start or what to do." Circle one option below that indicates how strongly you agree/disagree with that statement:

(1) Strongly Agree, (2) Agree, (3) Disagree, (4) Strongly Disagree.

Attitude

- 10.] Consider the following statement: "After taking the course, I am more interested in learning new technology, such as Python or Excel Solver, to perform programming tasks to solve mathematical problems." Circle one option below that indicates how strongly you agree/disagree with that statement:

(1) Strongly Agree, (2) Agree, (3) Disagree, (4) Strongly Disagree.

- 11.] Consider the following statement: "After taking the course, I believe more that learning a new technology, especially as it applies to mathematics, is an essential part to my educational experience." Circle one option below that indicates how strongly you agree/disagree with that statement:

(1) Strongly Agree, (2) Agree, (3) Disagree, (4) Strongly Disagree.

- 12.] Consider the following statement: "After taking the course, I believe more that being proficient in a scientific computing language, such as Python or Excel Solver, will have a positive impact in my future career and make me more competitive in the job market." Circle one option below that indicates how strongly you agree/disagree with that statement:

(1) Strongly Agree, (2) Agree, (3) Disagree, (4) Strongly Disagree.

- 13.] Consider the following statement: "After taking the course, I believe more that being proficient in a typesetting language, such as \LaTeX , is essential to becoming a better communicator in written and/or oral format, especially when conveying mathematical ideas." Circle one option below that indicates how strongly you agree/disagree with that statement:

(1) Strongly Agree, (2) Agree, (3) Disagree, (4) Strongly Disagree.

Overall

- 14.] How do you feel the projects in our class help you achieve the proficiency in the use of technology in mathematics? Any suggestions for improvement?