# Student Survey - Pre Humanitarian Free and Open Source Software

Version 2.2

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### Introduction

This survey is part of a research project to study use of humanitarian free and open source software projects in computing courses. Your participation in this research is optional.

Information from the questionnaire will be used for statistical studies and not in any form that identifies individuals. Your answers on this questionnaire have no bearing on your grade in any course.

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### Instructions

Please answer the questions in the sections that follow. You may skip any questions that you do not want to answer for any reason. If you have any questions about this study, contact either:

**Faculty contact**: Dr. Ellis ([ellis@wne.edu](mailto:ellis@wne.edu)) Chair of the Computer Science and Information Technology department, Western New England University.

**IRB contact**: Dr. Kathy Dillon, Chair of the Institutional Review Board at Western New England College ([kdillon@wne.edu](mailto:kdillon@wne.edu) or 413-782-1726).

Thank you.

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### Background

B1. What is your age? B2. What is your gender?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 🞎 | 18 – 20 | 🞎 | Male | |  |  |  |
| 🞎 | 21- 23 | 🞎 | Female | |  |  |  |
| 🞎 | 23 or older |  |  | |  |  |  |
|  | | | |

B3. Please identify your race and national origin category:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| American Indian or Alaskan Native | Asian or Pacific Islander | Black, not of Hispanic origin | Hispanic | White, not of Hispanic origin |
| 🞎 | 🞎 | 🞎 | 🞎 | 🞎 |

B4. What is your first major?

B5. Second major?

B6. Do you plan to continue in this major?

|  |  |  |
| --- | --- | --- |
| Yes | No | Maybe |
| 🞎 | 🞎 | 🞎 |

B7. If you are thinking about changing majors, please explain why.

B8. On a scale from 1 (one) to 5 (five), where one is beginner and five is advanced, how would you characterize your programming ability?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Beginner  1 | 2 | 3 | 4 | Advanced  5 |
| 🞎 | 🞎 | 🞎 | 🞎 | 🞎 |

B9. How many months, if any, of co-op, internship or other professional experience you have had?

Please circle the answer on the 7-point scale that indicates your agreement or disagreement with each statement.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HFOSS Statements** | **strongly disagree** | **disagree** | **neutral** | **agree** | **strongly agree** | **not applic-able** | **don't know** |
| H1 | Working on an HFOSS project will give me a better appreciation for the usefulness of computing. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H2 | I expect to have a greater awareness of the potential for computing to benefit society due to working on an HFOSS project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H3 | I want to work on an HFOSS project because I want to help the people who would benefit from the software. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H4 | Participating in an HFOSS project inspires me to use my computing skills to help others. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H5 | Knowing that my project will help people will motivate me to do my best on the HFOSS project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H6 | I expect to enjoy working on an HFOSS project because it will allow me to participate in a diverse community of HFOSS developers. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H7 | Working on an HFOSS project will increase my interest in computing. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H8 | Working on an HFOSS project will increase my confidence in my computing ability. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H9 | Participating in an HFOSS project will make me more comfortable with computing. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| H10 | I have participated in an HFOSS project prior to this class. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |

|  | **Software Engineering Statements** | **strongly disagree** | **disagree** | **neutral** | **agree** | **strongly agree** | **not applic-able** | **don't know** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SE1 | I am comfortable that I could participate in the planning and development of a real-world software project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE2 | I can list the steps in the software process we used in HFOSS project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE3 | I can use a software process to develop an HFOSS project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE4 | I am sure that I can actively participate in an HFOSS community to develop a software project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE5 | I expect to gain some confidence in collaborating with professionals from a variety of locations and cultures. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE6 | I can describe the impact of project complexity on the approaches used to develop software. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE7 | I can describe the impact of project size on the approaches used to develop software. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE8 | I am confident that I can maintain an HFOSS project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE9 | I can describe the drawbacks and benefits of FOSS to society. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE10 | I can use all tools and techniques employed in my HFOSS project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE11 | I can participate in an HFOSS development team’s interactions. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| SE12 | Participation in an HFOSS project will improve my understanding of how to behave like a computing professional. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **General Statements** | **strongly disagree** | **disagree** | **neutral** | **agree** | **strongly agree** | **not applic-able** | **don't know** |
| G1 | I feel confident about working with computing professionals | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| G2 | I am excited about working with computing professionals. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| G3 | Participation in an HFOSS project may cause me to consider computing as a major or minor. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| G4 | Participation in an HFOSS project may positively reinforce my decision to make computing my major. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| G5 | Participating in an HFOSS project may cause me to question my decision to make computing my major. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| G6 | Participation in an HFOSS project may cause me to consider taking further computing courses. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| G7 | The subject matter of this HFOSS project is highly relevant to my future career plans. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| G8 | I have a high level of experience in the HFOSS subject matter. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |
| G9 | Overall, I expect to be very satisfied with my learning in the HFOSS project. | **1** | **2** | **3** | **4** | **5** | **N/A** | **DK** |

SA1. What do you expect to learn by working on an HFOSS project?