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| **Competency** | **Essex Graduate Skill** | **Skill** | **Skill Level** | **Evidence** |
| **Professional** | Literacy, Communication, Language Skills | Express information effectively to technical and non-technical audiences | **Trained** | Successfully communicated research findings through structured reports and oral presentations; tailored complex statistical explanations to academic and peer audiences. |
|  |  | Create documents to aid your communication (reports, diagrams, legal descriptions, plans, manuals and charts) | **Trained** | Produced formal research reports using Harvard referencing, integrated statistical tables and charts using Excel and SPSS. |
| **Commercial Awareness** |  | Keep current with tools of the industry, as well as emerging technology | **Trained** | Gained familiarity with SPSS and Excel for statistical analysis; expressed intent to explore R and Trello for future projects. |
|  |  | Seek opportunities to improve and share knowledge of tools and technology that may improve productivity | **Aware** | Demonstrated interest in building an e-portfolio and using Notion and Trello for task management and reflection. |
|  |  | Participate in scientific and professional organisations | **Aware** | Plan to attend workshops and engage in collaborative peer learning groups in upcoming semesters. |
|  |  | Emphasise quality, customer satisfaction and fair application of policies | **Trained** | Emphasized clarity and ethical responsibility in research design and communication, including improvements based on peer feedback. |
|  |  | Demonstrate familiarity with codes of conduct for the Computing field | **Trained** | Completed a mock ethics form; practiced compliance with research ethics principles including consent, confidentiality, and academic integrity. |
| **Subject Understanding, Research, Critical Thinking, Time Management** |  | Critically analyse complex ideas and concepts in the field of Computer Science | **Proficient** | Engaged with philosophical paradigms, mixed-method research, and inferential statistics; reflected on the complexity of integrating qualitative and quantitative data. |
|  |  | Recognise inconsistencies and gaps in information, and search for additional information when needed | **Trained** | Identified limitations in statistical interpretations and improved based on tutor feedback; revised research questions after literature review. |
|  |  | Explore complex real-world problems in a Computing context | **Trained** | Conducted a mini project examining user behaviour in a technological setting; applied theoretical frameworks to structure research. |
| **Legal and Ethical** | Ethical Awareness | Comply with the letter and spirit of applicable laws | **Trained** | Demonstrated knowledge of research ethics and institutional review requirements; created an ethics proposal. |
|  |  | Maintain privacy and confidentiality of company, co-worker and customer information | **Trained** | Reflected on the importance of privacy in research data collection and participant anonymity. |
| **Social (inc. Teamwork)** | Cultural Awareness | Act in the best interest of the community at large – Social (Community) Responsibility | **Aware** | Considered participant rights and data security; reflected on ethical obligation in all stages of the research. |
|  | Teamwork, Leadership and Resilience, Time Management | Collaborate effectively in diverse teams to achieve team goals | **Trained** | Participated in group presentations, peer review sessions, and feedback exchanges throughout the course. |
|  |  | Meeting team objectives using teamwork skills | **Trained** | Took part in planning, discussion, and role distribution for collaborative tasks; completed a team presentation. |
|  |  | Demonstrate skills in leadership and team building | **Aware** | Supported group decisions and contributed to consensus building, although not in a formal leadership role. |
|  |  | Give and receive constructive feedback | **Trained** | Incorporated tutor and peer feedback into written reports and data visualizations. |
|  | Creativity, Entrepreneurial, Problem solving, Initiative, Decision Making | Create, discuss and deliver strategies for sustainability for all stakeholders (company, community and environment) | **Aware** | Acknowledged ethical considerations and fair data use within the research process. |
|  |  | Able to make a decision on a complex matter/scenario using multiple sources of information | **Trained** | Made methodological decisions by synthesizing statistical theory, ethical concerns, and research constraints. |
| **Technical (Data Science)** | IT and Digital, Numeracy | Technical skills relevant to your degree programme | **Trained** | Used SPSS and Excel to run statistical analyses (t-tests, regressions, confidence intervals). |
|  |  | SQL for database querying | **Aware** | Not covered in course but relevant for future skills development (mentioned as a goal). |
|  |  | Python Programming | **Aware** | Not practiced in this course. |
|  |  | Java | **Aware** | Not applicable in this course context. |
|  |  | noSQL | **Aware** | Not applicable in course content. |
|  |  | Scripting Language (Python) | **Aware** | Not applicable during this module. |
|  |  | Statistical Language (R) | **Aware** | Mentioned as a tool for future learning; not used directly in the course. |
|  |  | Gits - repository development and maintenance | **Aware** | Not practiced in the module but relevant to future development. |
|  |  | Use of conferencing technologies and Moodle (VLE) | **Trained** | Used Moodle to access materials, submit assignments, and participate in group discussions. |
|  |  | Use of Word Processing tools and Spreadsheets | **Proficient** | Created reports and analyzed data using Word and Excel. |
|  |  | Effective use of e-library resources | **Trained** | Conducted literature reviews using digital databases and citation tools. |
| **Subject Application** | Global Citizen, Teamwork, Leadership, Emotional Intelligence | Take into account other people's perspectives | **Trained** | Engaged with peer viewpoints in group projects; revised approach based on constructive feedback. |
|  |  | Work constructively with differences in viewpoints | **Trained** | Negotiated decisions in team-based tasks; resolved disagreements through discussion. |
|  |  | Actively participate in a range of community activities as an informed citizen | **Aware** | Reflected on ethical responsibility as a researcher within the academic community. |
|  | Decision Making, Initiative, Emotional Intelligence, Ethical Awareness | Develop, articulate and clarify your personal values and ethics | **Trained** | Reflected on ethical standards and emotional resilience throughout the module; planned regular self-review using Rolfe's model. |