Appendix 2. Descriptive analysis of all variables

Question	Results of the descriptive analysis
Gender	About 24% of the students are female, 72% are male, and 4% are of another gender.
What master's program are you enrolled in?	About 60% of the students enrolled in Master in Sciences in Computer Sciences program, 40% in Master in Sciences in Computer Engineering
Do you consider that the subjects in the program are logically and sequentially organized?	About 54% expressed agreement or complete agreement, 21% neither agreed nor disagreed, and 25% disagreed
Do you consider that the program contents are relevant to the educational objectives?	About 77% expressed agreement or complete agreement, 10% neither agreed nor disagreed, and 13% disagreed
Do the contents reflect advancements and changes in the field of study?	About 77% expressed agreement or complete agreement, 11% neither agreed nor disagreed, and 12% disagreed
Do you know what the program objectives are?	About 67% expressed they knew the program's objectives, 24% did not, and perhaps 9% were unsure.
Do you know what skills are expected to be developed upon completing the program of study?	About 67% indicated yes, 16% no, and 17% maybe.
Are different types of assessments (exams, assignments, projects, presentations) used to measure your learning?	About 89% agree or strongly agree, and 11% disagree.
Do the assessments reflect real and contextual situations related to the field of study?	About 78% agree or strongly agree, and 22% neither agree nor disagree.
Do you consider study materials, labs, libraries, technology, and faculty easily accessible?	About 79% agree or strongly agree, and 21% neither agree nor disagree.
Are updated and relevant resources used to support learning?	About 89% agree or strongly agree, and 11% disagree
Do you know the focus of your graduate studies program?	About 67% indicated yes, 24% no, and 9% maybe.
Do you consider the program enabled you to develop skills and knowledge relevant to the targeted professional or job field?	About 37% agree, 18% neither agree nor disagree, and 45% disagree or strongly disagree.
Does the graduate program include projects or practical activities focused on industry applications?	About 23% agree, 13% neither agree nor disagree, and 64% disagree or strongly disagree.
Do you consider that the subjects and contents of your graduate program are aligned with the latest developments in the industry?	About 23% agree, 13% neither agree nor disagree, and 64% disagree or strongly disagree.
How do you rate the knowledge acquired for each of the technological developments? [Artificial Intelligence and Machine Learning]	About 78% consider it sufficient, and 22% consider it completely sufficient.
How do you rate the knowledge acquired for each of the technological developments? [Data Science and Data Analytics]	About 12% consider it totally sufficient, 66% sufficient, and 22% neither sufficient nor insufficient
How do you rate the knowledge acquired for each of the technological developments? [Cybersecurity]	About 15% consider it totally sufficient, 39% sufficient, 22% neither sufficient nor insufficient, and 23% insufficient or totally insufficient.
How do you rate the knowledge acquired for each of the technological developments? [Software Development and Programming]	About 22% consider it totally sufficient, 66% sufficient, and 12% neither sufficient nor insufficient.
How do you rate the knowledge acquired for each of the technological developments? [Networks and Communications]	About 44% consider it sufficient, 34% neither sufficient nor insufficient, and 22% insufficient.
How do you rate the knowledge acquired for each of the technological developments? [Robotics and Automation]	About 11% consider it sufficient, 33% neither sufficient nor insufficient, 34% insufficient, and 22% totally insufficient.
How do you rate the knowledge acquired for each of the technological developments? [Internet of Things (IoT)]	About 9% consider it totally sufficient, 23% sufficient, 45% neither sufficient nor insufficient, and 23% insufficient or totally insufficient.
How do you rate the knowledge acquired for each of the technological developments? [Cloud Computing]	About 9% consider it totally sufficient, 12% sufficient, 34% neither sufficient nor insufficient, 34% insufficient, and 11% totally insufficient.
How relevant do you consider the competencies acquired during your graduate studies for integration into industry and innovation ecosystems?	About 21% consider them relevant, 34% neither relevant nor irrelevant, and 45% irrelevant
Do you consider that your graduate studies provided you with relevant and current information?	About 33% strongly agree, 45% agree, and 22% neither agree nor disagree.
Do you consider that the subjects and contents of your graduate studies are aligned with the latest industry developments?	About 31% consider them aligned, 35% neither aligned nor misaligned, 34% misaligned.
Do you feel you have developed skills that would allow you to adapt to future changes?	About 34% strongly agree and 66% agree
Do you trust your ability to tackle technological and innovation challenges in industry after completing your graduate studies?	About 88% say yes, and 12% say maybe.
Do you consider that the acquired competencies enable you to effectively collaborate in interdisciplinary and team environments?	About 88% say yes and 12% say maybe.