uc3m | Universidad Carlos III de Madrid

DECLARATION OF USE OF GENERATIVE ARTIFICIAL INTELLIGENCE (AI) IN MASTER FINAL PROJECT (TFM)

I have used Generative AI in my TFM
Check all that apply:

If you have ticked YES, please complete the following 3 parts of this document:

Part 1: Reflection on legal, ethical and responsible behavior

Please be aware that the use of AI carries some risks and may lead to a series of serious academic consequences: the evaluation of the TFM could be compromised if the use of AI involves the use of confidential data, copyrighted materials, or personal data, used without complying with the conditions required in each case (authorization of the interested parties, authorization of the owners, following the instructions of the University).

Question
1. In my interactions with AI tools, I have provided **confidential data**, always with the appropriate authorization of the data subjects. Confidentiality encompasses any information that a person or organization wishes to protect for legal, commercial, privacy, or strategic reasons (such as patents or trade secrets).

YES, I have used this data with permission	NO, I have not used confidential data

2. In my interaction with Generative AI tools, I have submitted **copyrighted materials** with the permission of those concerned.

YES, I have used these materials with permission from the copyright holders, or without permission because they fall within one of the exceptions or limitations permitted by law: • Public domain work • Licensed work (Creative Commons licenses) • Use of excerpts for research purposes (fair use)	NO, I have not used copyrighted materials

3. In my interaction with Generative AI tools, I have submitted **personal data** with the consent of the data subjects.	
YES, I have used this data with the authorization of the interested parties and in accordance with the instructions contained in the [guide approved by the University](#).	NO, I have not used personal data
4. My use of the Generative AI tool has **respected its terms of use**, as well as the essential ethical principles, not being maliciously oriented to obtain an inappropriate result for the work presented, that is to say, one that produces an impression or knowledge contrary to the reality of the results obtained, that supplants my own work or that could harm people.	
YES	NO

Part 2: Declaration of technical use

Use the following model statement as many times as necessary, in order to reflect all types of iteration you have had with Generative AI tools. Include one example for each type of use where indicated: *[Add an example].*

I declare that I have made use of the Generative AI system (Name of AI system/tool and version: ChatGPT, Gemini, Copilot...) **for:**

Documentation and drafting:

- *Supporting reflection in relation to the development of the work: iterative process of analysing alternatives and approaches using AI*

AI helped me draft the text at the beginning explaining the project, as well as the latex code for the mathematical formulation of the optimization problem

- *Revision or rewriting of previously drafted paragraphs*

AI helped me develop the objective function and inform of its purpose.

Develop specific content

Generative AI has been used as a support tool for the development of the specific content of the TFM, including:

- *Assistance in the development of lines of code (programming)*

Google gemini and, specially, copilot, assisted me in the development of the code by showing me possible options to implement in my work. It was really helpful in order to format the results in readable tables.

- *Generation of diagrams, images, audios or videos*

No images, videos or audios were generated.

- *Optimisation processes*

After finishing the project I sent all the code to gemini to polish the results and make it more readable and understandable.

- *Inspiration of ideas in the creative process*

As mentioned before, AI was used to get inspiration for this project idea on multi-shift resource allocation in a hospital

- *Other uses linked to the generation of specific points of the specific development of the paper*

Part 3: Reflection on utility

Please provide a personal assessment (free format) of the strengths and weaknesses you have identified in the use of Generative AI tools in the development of your work. Mention if it has helped you in the learning process, or in the development or drawing conclusions from your work.

Overall AI has been enormously helpful for this project, not only for brainstorming ideas but also assisted me greatly with the coding part. Apart from AI I also used the advice of my aunt, who works as an administrative in a local hospital in Córdoba, to get more realistic values for the salary, importance and distribution of resources.