

Algorithmic Thinking Project Evaluation Grid

Evaluation Criteria	Description	Points Awarded	Comments
Database adequate to the task	Cross-sectional database with at least 100 observations, at least 10 variable (at least 6 quantitative) and a qualitative independent variable (2), one condition not met (1), 2 or more problems (0) Very large databases (not recommended) can be linked.	2	If the database is not submitted, only the report is evaluated (max 3/20)
Tree/forest model	A tree and forest model that makes sense with reasonable variables. Interpretation is correct. The model visualization is achieved. (4) Model building is correct, but no interpretations (2) A technically correct model that makes no sense (1).	4	Avoid evident models or models that do not explain anything
Logistic regression or kNN	At least one of the two models applied, and correctly explained and interpreted (3). Model building is correct, but no interpretations or A technically correct model that makes no sense (1).	3	Avoid evident models or models that do not explain anything
Deep learning	A deep learning model is built and tested on the data. A significantly better model than simple guessing is required.	4	Avoid too complex models that cannot be trained in a reasonable time on a laptop.
Model comparison	Different models' performance compared, explained.	2	Try to explain why one model is outperforming others.
Quality of coding	The code is working as it is, without repetitions, and follows the solutions learnt in the class.	2	Without the R script, only the report is evaluated (max 3/20)
Quality of the report	A business-oriented summary with the main findings, at least 3 pages (2 points), short or too technical or wrongly focused report (1 point), several problems or missing (0 points)	3	A non-technical language. What is interesting in the dataset? Don't forget the reference list (database source, prompts if GenAI was used)
	Total	20	