

## Algorithmic Thinking Project Evaluation Grid

Evaluation Criteria	Description	Points Awarded	Comments
<b>Database adequate to the task</b>	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)
<b>Tree/forest model</b>	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
<b>Logistic regression or kNN</b>	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
<b>Deep learning</b>	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.
<b>Model comparison</b>	Different models' performance compared, explained.	2	Try to explain why one model is outperforming others.
<b>Quality of coding</b>	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)
<b>Quality of the report</b>	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)
	<b>Total</b>	<b>20</b>	