

Document format

Maximum score

0.5

The document is well written, with sections diving the content, figures are enumerated with references in the text and commented.

- Writing the report in an adequate format
- Figures enumerated
- Figures referenced
- Correct spelling
- Constant font styles
- Others
- Overall effort in the report

Exploratory Data Analysis and Preprocessing

Maximum score

1.5

The different preprocessing steps are followed.

Logistic Regression model identification

Maximum score

1.0

Análisis Discriminante

kNN model identification

Maximum score

0.5

Decision Tree model identification

Maximum score

1.0

SVM model identification

Maximum score

0.5

MLP model identification

Maximum score

1.0

Comparative analysis of models

Maximum score

1.5

series temporales, random forest, redes neuronales, XGBoost, curvas ROC

The comparison should be summarized in the form of a table including different performance measures on cross-validation, training and test sets.

A critical analysis of the results and the inclusion of plots for comparing the performance of the models will be considered.

Conclusions

Maximum score

0.5

A conclusion section should be included in which the selection of the best model for the application is justified.

Creativity and innovation

Maximum score

2

In this section you should look for resources on the internet that are applicable to this assignment and were not taught in class. These resources can be concepts, techniques, packages, etc... that are applicable in this exercise. For example, you could use packages that aid in dataset exploration or classification model analysis.

Extra effort on the other sections would also be considered in this section.

- New concept - 0.5
- New concept + explanation - 1.0
- New model - 0.5
- New model + explanation - 1.0

IMPORTANT INFORMATION

-> The selection of model hyperparameters shall be justified

-> Variable selection shall be performed when inherent methods to identify relevant variables are available for the model