

SUPPLEMENTARY MATERIAL

Figure S1.- The components of Table 4 are analyzed according to the subject, being part of the different questionnaires analyzed. The size of the node depends on its degree.

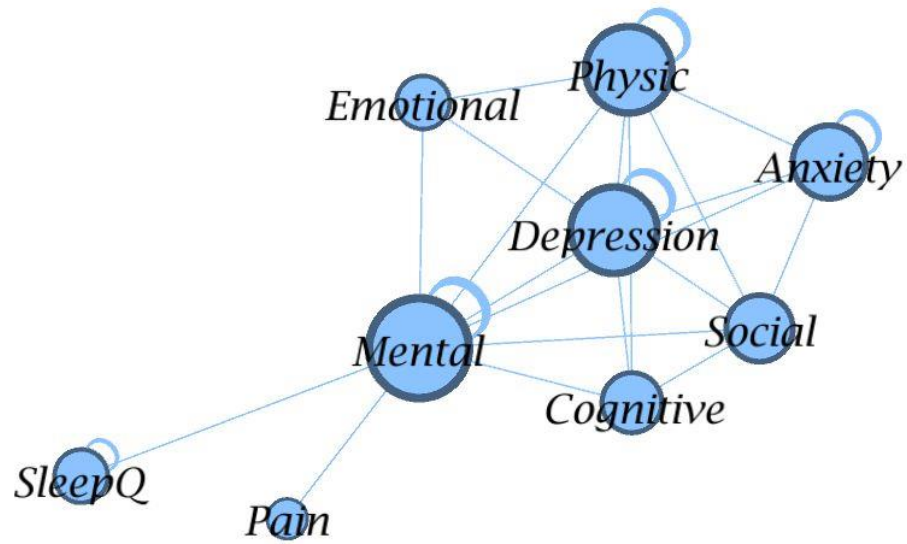


Figure S2. - Algorithm XGBoost model schema.

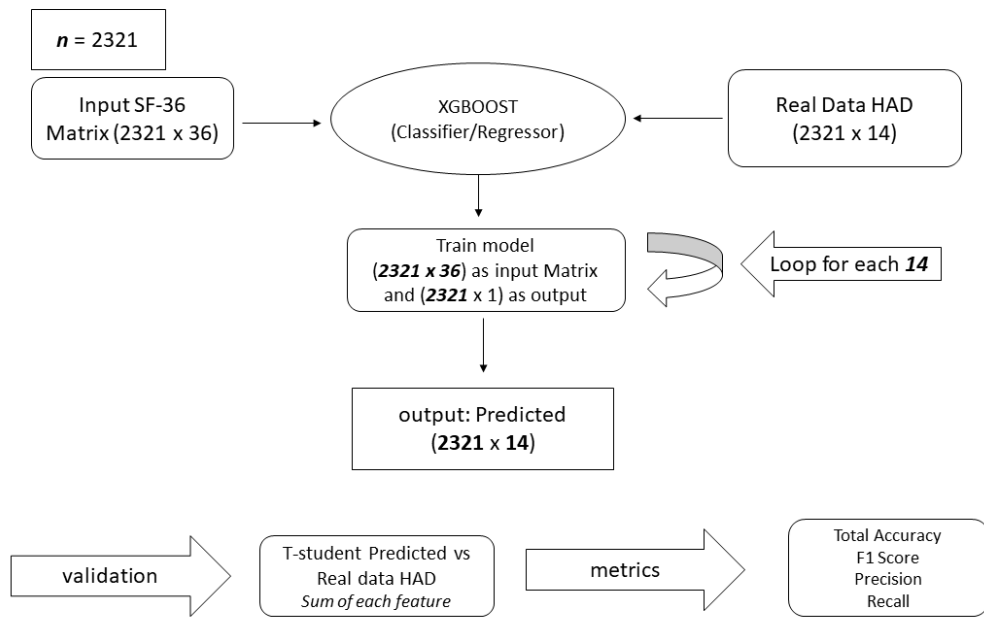


Table S1 Comparison results from XGBoost models.

MODELS	Accuracy	Precision	Recall	F1-Score	Mean Error	t-student
XGBoost Regressor	0.39	0.41	0.36	0.42	32.50 %	1.6e-06
XGBoost Classifier	0.51	0.53	0.47	0.49	-3.16 %	0.60

Total connections have been 32,494 (2321 registers x 14 questions HAD questionnaire) and “1” and “2” answers are 67.25 % from the total. The model tends to reduce the mean error, so the model predicted 70% more “1” than real and rare predicted “3”.

Table S2. Keras Classifier comparison table from results.

MODELS	Accuracy	Precision	Recall	F1 Score	Mean Error	t-student
K. Classifier with Weights	0.70	0.69	0.72	0.70	-1.35 %	0.79
K. Classifier	0.50	0.51	0.46	0.47	-1.80 %	0.74

Table S3. Keras with no weights model results

Answers	precision	recall	f1-score	support
0	0.00	0.00	0.00	66
1	0.69	0.65	0.67	886
2	0.51	0.59	0.55	807
3	0.61	0.60	0.61	562
accuracy			0.60	2321
macro avg	0.45	0.46	0.46	2321
Weighted avg	0.59	0.60	0.59	2321