

AI predictive analysis model based on Prediction One using evaluation criteria in the fifth edition of WHO Manual for Human Semen Testing of 2010

Prediction accuracy

Prediction accuracy level



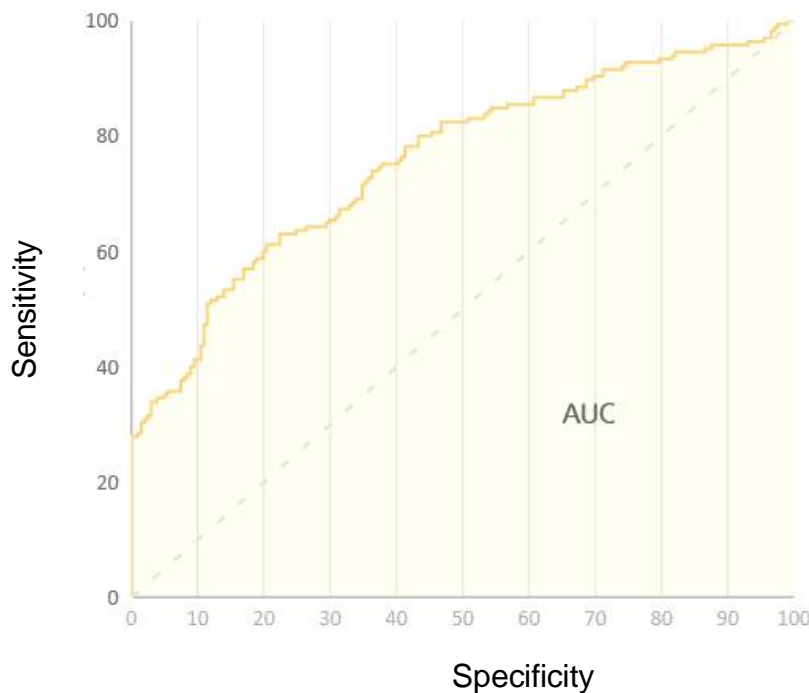
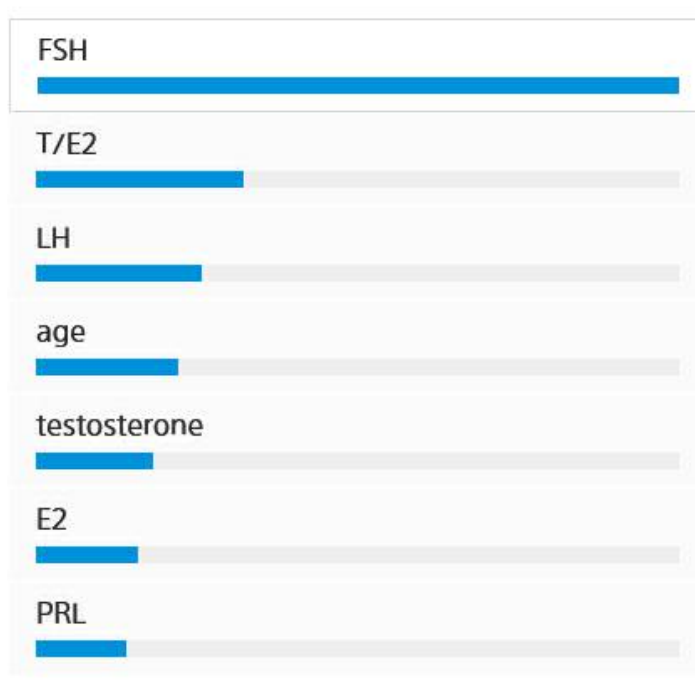
AUC 75.75%

Accuracy evaluation

AUC	Star Rating	Accuracy Evaluation
88~100%	★★★★★	very high
74~88%	★★★★☆	high
63~74%	★★★☆☆	standard
56~63%	★★☆☆☆	low
0~56%	★☆☆☆☆	very low

Accuracy details

Feature importance



Accuracy 63.39%
 Precision 56.28%
 Recall 84.24%
 F-value 67.48%

Threshold 0.30

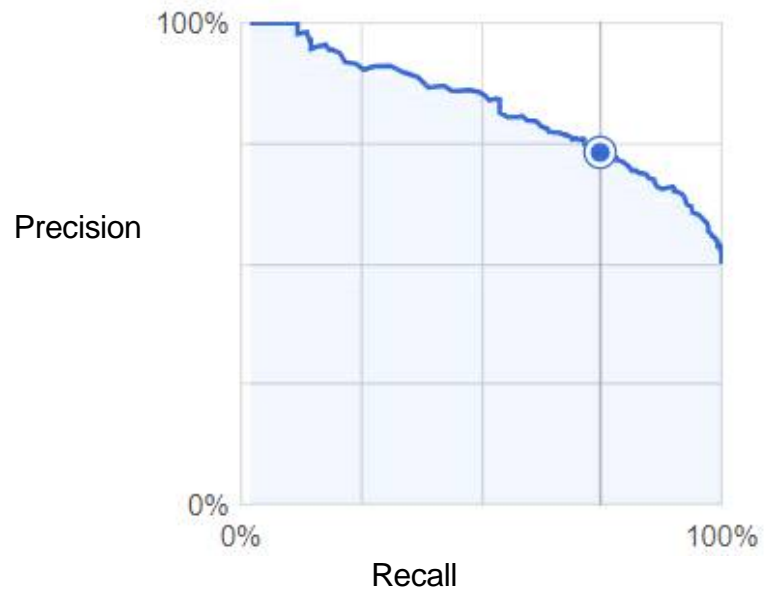
Accuracy 70.77%
 Precision 74.17%
 Recall 53.94%
 F-value 62.46%

Threshold 0.48

AI predictive analysis model based on AutoML Tables using evaluation criteria in the fifth edition of the WHO Manual for Human Semen Testing of 2010

AUC ROC 82.1%

AUC PR 82.3%



Precision 60.6%
 Recall 94.0%
 F-value 73.7%

Threshold 0.30

Precision 73.1%
 Recall 73.1%
 F-value 73.1%

Threshold 0.50

Feature importance

