

# XGBoost

Best Model

0.84

Max F1-Score

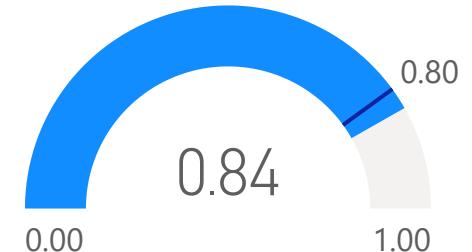
0.71

Avg Performance

Fast

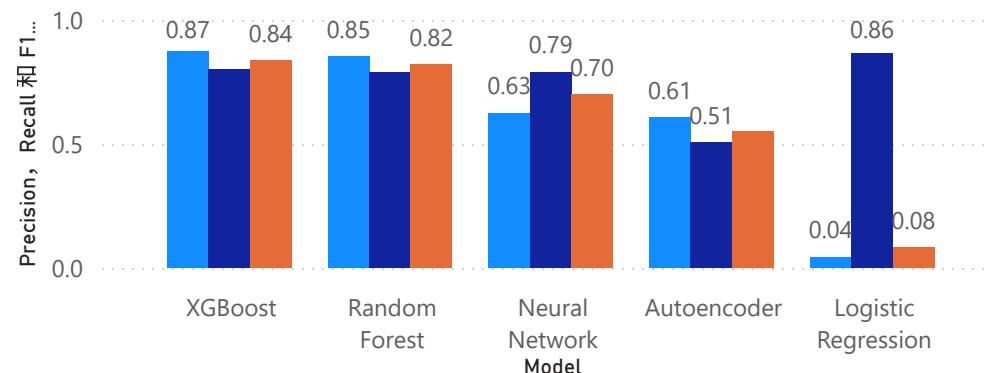
Training Speed

F1 Score



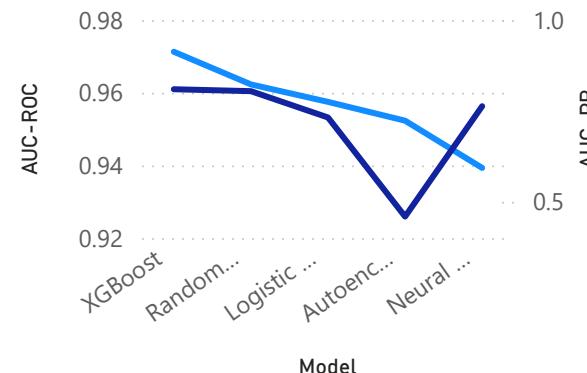
## Precision、Recall F1-Score (Model)

Precision   Recall   F1-Score



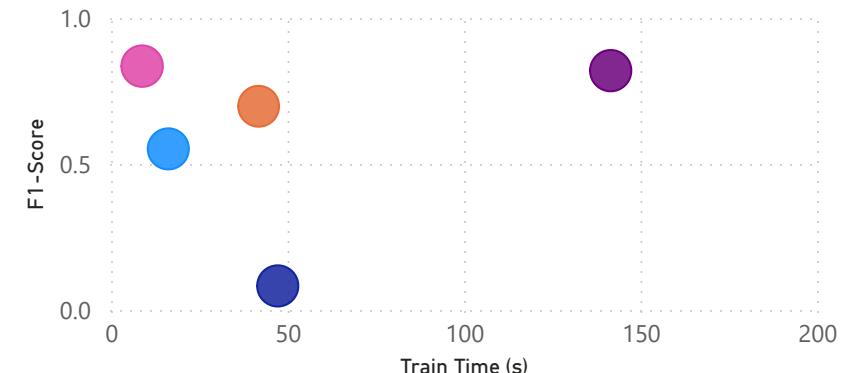
## AUC-ROC, AUC-PR (Model)

AUC-ROC   AUC-PR



## Train Time (s), F1-Score AUC-ROC (Model)

Model   Autoencoder   Logistic Regression   Neural Network   Random Forest   XGBoost



## Model Rank

Model Rank	Model	Precision	Recall	F1-Score	AUC-ROC	Train Time (s)	Performance Category
2	Random Forest	0.85	0.79	0.82	0.96	141.55	Excellent
5	Logistic Regression	0.04	0.86	0.08	0.96	47.24	Poor
3	Neural Network	0.63	0.79	0.70	0.94	41.82	Good
4	Autoencoder	0.61	0.51	0.55	0.95	16.24	Moderate
1	XGBoost	0.87	0.80	0.84	0.97	8.82	Excellent

## Model

Autoencoder

Logistic Regression

Neural Network

Random Forest

XGBoost