**1 The result of each algorithm**

**1.1 logistic regression**

1.1.1 Running Results of Predict the 2017 Competition

A screenshot of a computer

Description automatically generated

1.1.2 Running Results of Predict the 2018 Competition

A screenshot of a computer

Description automatically generated

1.1.3 ROC of Predict the 2017 and 2018 Competition

A graph of a logistic regression

Description automatically generated

A close-up of numbers

Description automatically generated

**1.2 Random Forest**

1.2.1 Running Results of Predict the 2017 Competition

A screenshot of a computer

Description automatically generated

1.2.2 Running Results of Predict the 2017 Competition

A screenshot of a computer

Description automatically generated

1.2.3 ROC of Predict the 2017 and 2018 Competition

A graph of a forest

Description automatically generated with medium confidence

A close-up of numbers

Description automatically generated

**1.3 SVM**

1.3.1 Running Results of Predict the 2017 Competition

A screenshot of a computer

Description automatically generated

1.3.2 Running Results of Predict the 2018 Competition

A screenshot of a computer

Description automatically generated

1.3.3 ROC of Predict the 2017 and 2018 Competition

A graph of a line

Description automatically generated with medium confidence

A black text on a white background

Description automatically generated

**1.4 Naïve Bayes**

1.4.1 Running Results of Predict the 2017 Competition

A screenshot of a computer

Description automatically generated

1.4.2 Running Results of Predict the 2018 Competition

A screenshot of a computer

Description automatically generated

1.4.3 ROC of Predict the 2017 and 2018 Competition

A graph of a curve

Description automatically generated

A black text on a white background

Description automatically generated

**1.5 Neural Network**

1.5.1 Running Results of Predict the 2017 Competition

A screenshot of a computer

Description automatically generated

1.5.2 Running Results of Predict the 2018 Competition

**A screenshot of a computer screen

Description automatically generated**

1.5.3 ROC of Predict the 2017 and 2018 Competition

A graph of a function

Description automatically generated

A close-up of numbers

Description automatically generated

**2 Comparison Algorithm**

Comparison of five algorithms on Accuracy, Precision, Recall, F1-Score, AUC and ROC curves:

A graph of different colors and lines

Description automatically generated

**3 Stacking**

**3.1 Running Results of Predict the 2017 Competition**

A screenshot of a computer

Description automatically generated

**3.2 Running Results of Predict the 2018 Competition**

A screenshot of a computer

Description automatically generated

**3.3 Running Results of Predict the 2017 Competition**

A graph of a number of data

Description automatically generated with medium confidence

A close-up of numbers

Description automatically generated

**4 Compare the integrated algorithm with Random Forest and Naïve Bayes**