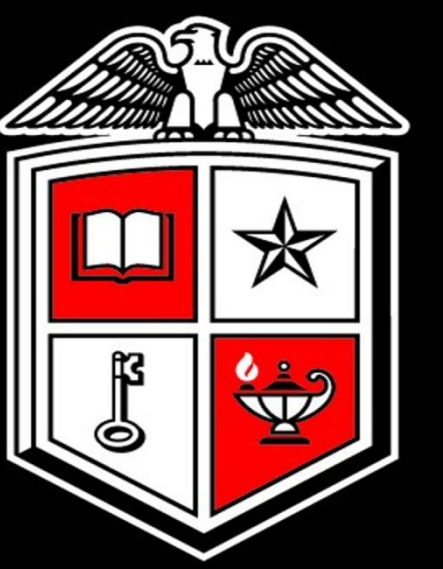


ANALYSIS DEFAULT CREDIT IN TAIWAN



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Dataset overview:

- Contains information on default payments, demographic factors, credit data, history of payment, and bill statements of credit cards distributed in 25 variables
- 30,000 samples collected in Taiwan from April 2005 to September 2005

What is default credit?

After you've failed to make a payment on your credit card for 180 days, your issuer assumes you're probably never going to. In this project, I want to see the relationship between variables and default credit in Taiwan base on the dataset.

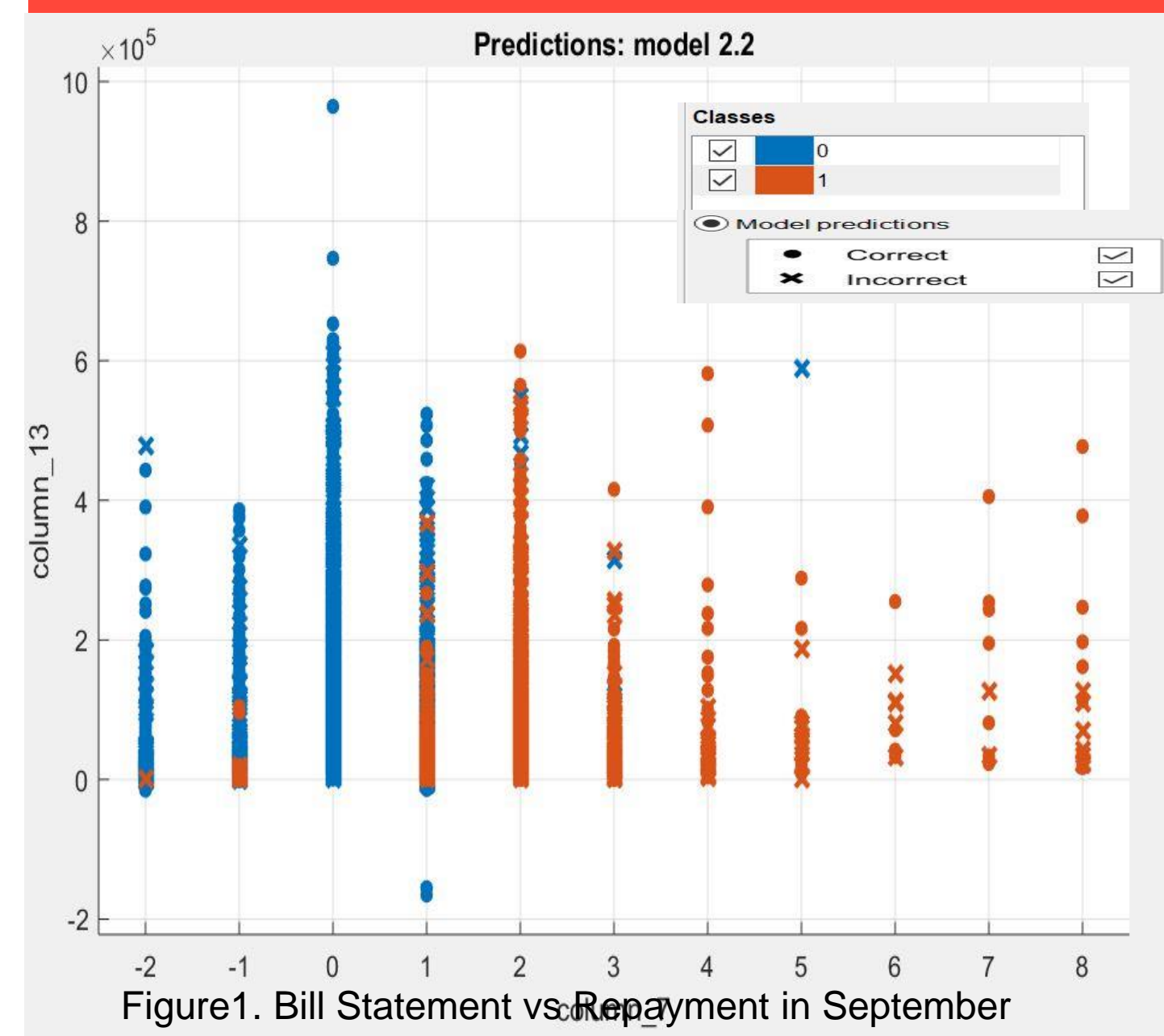


Figure1. Bill Statement vs Repayment in September

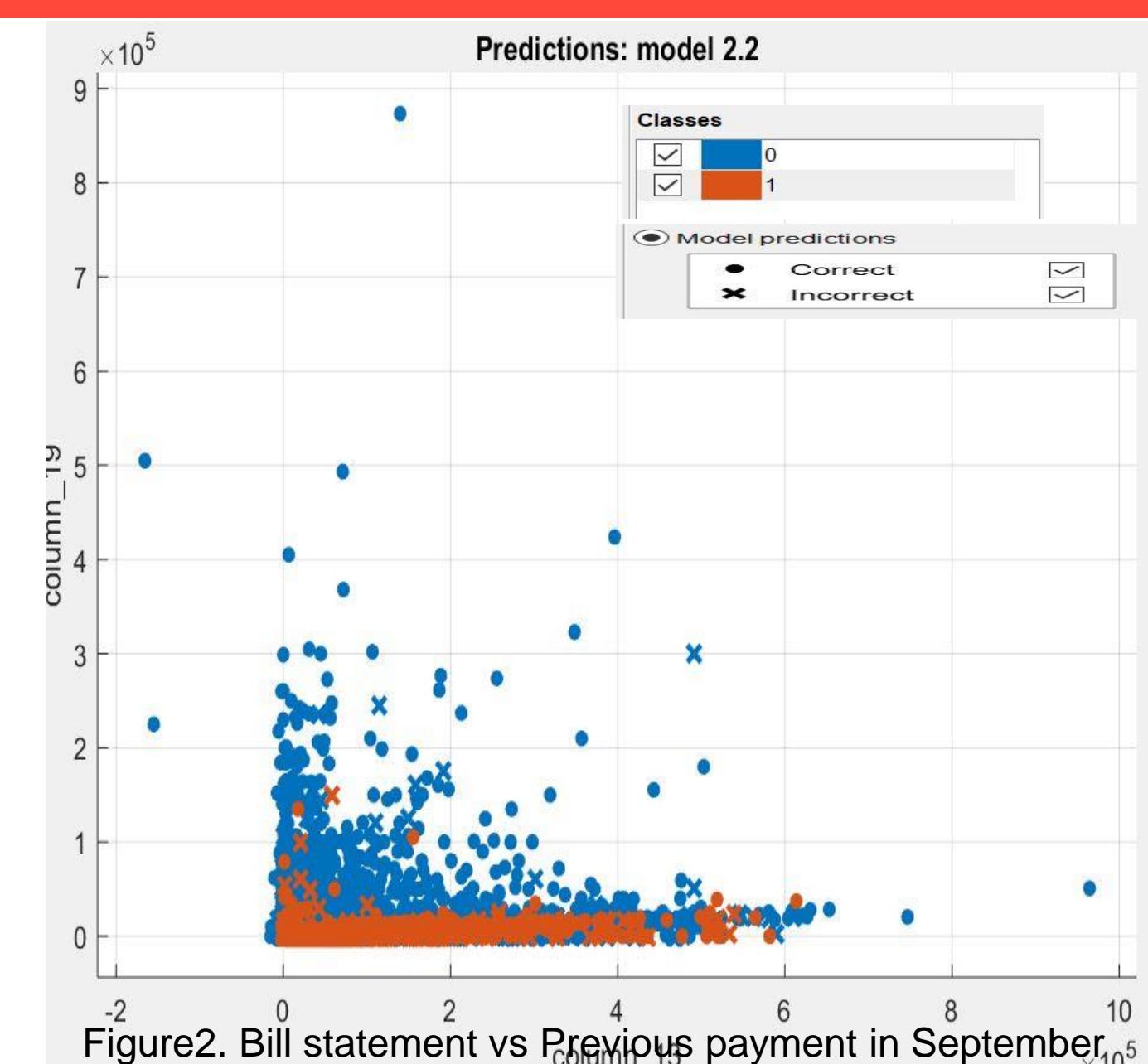


Figure2. Bill statement vs Previous payment in September

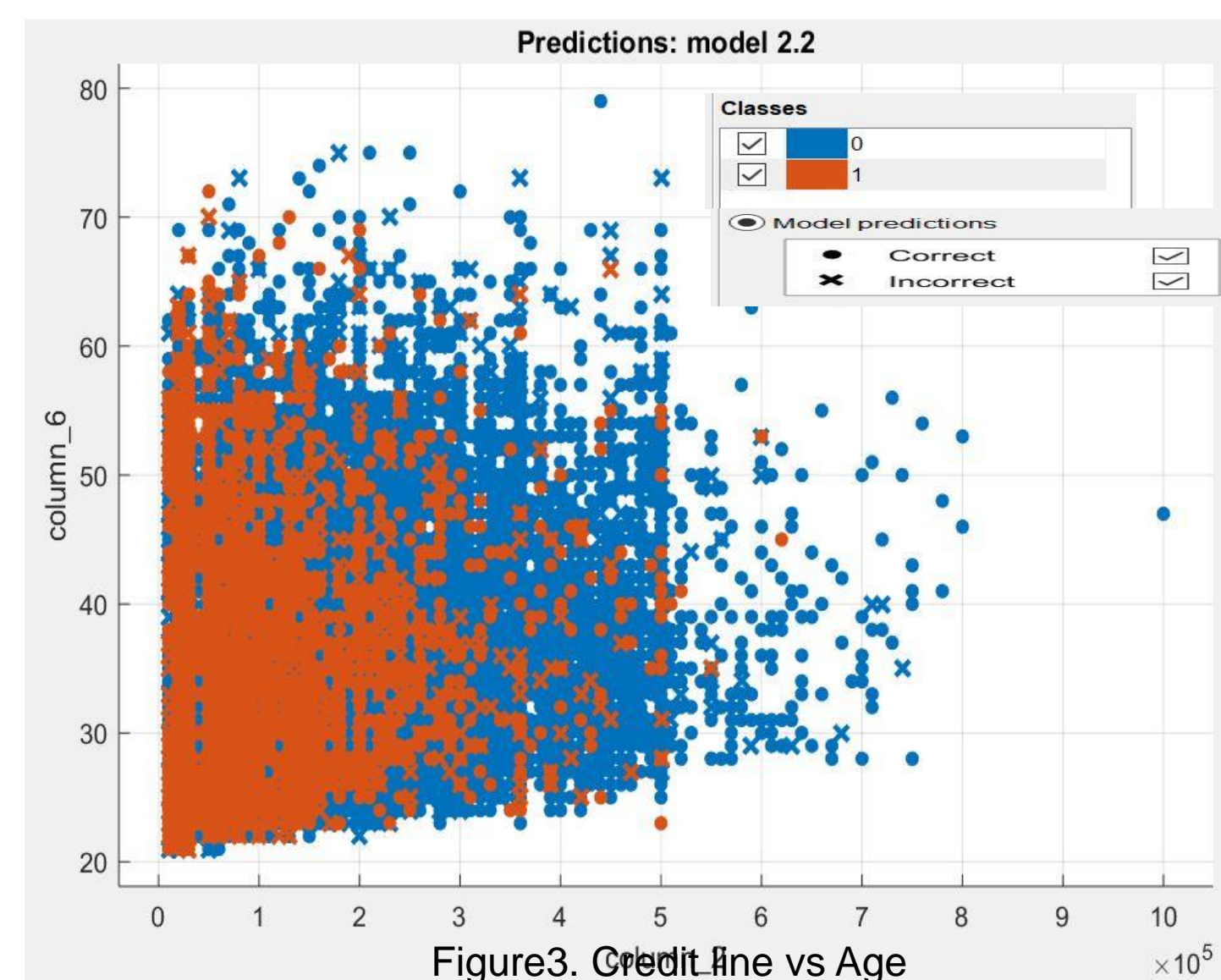


Figure3. Credit line vs Age

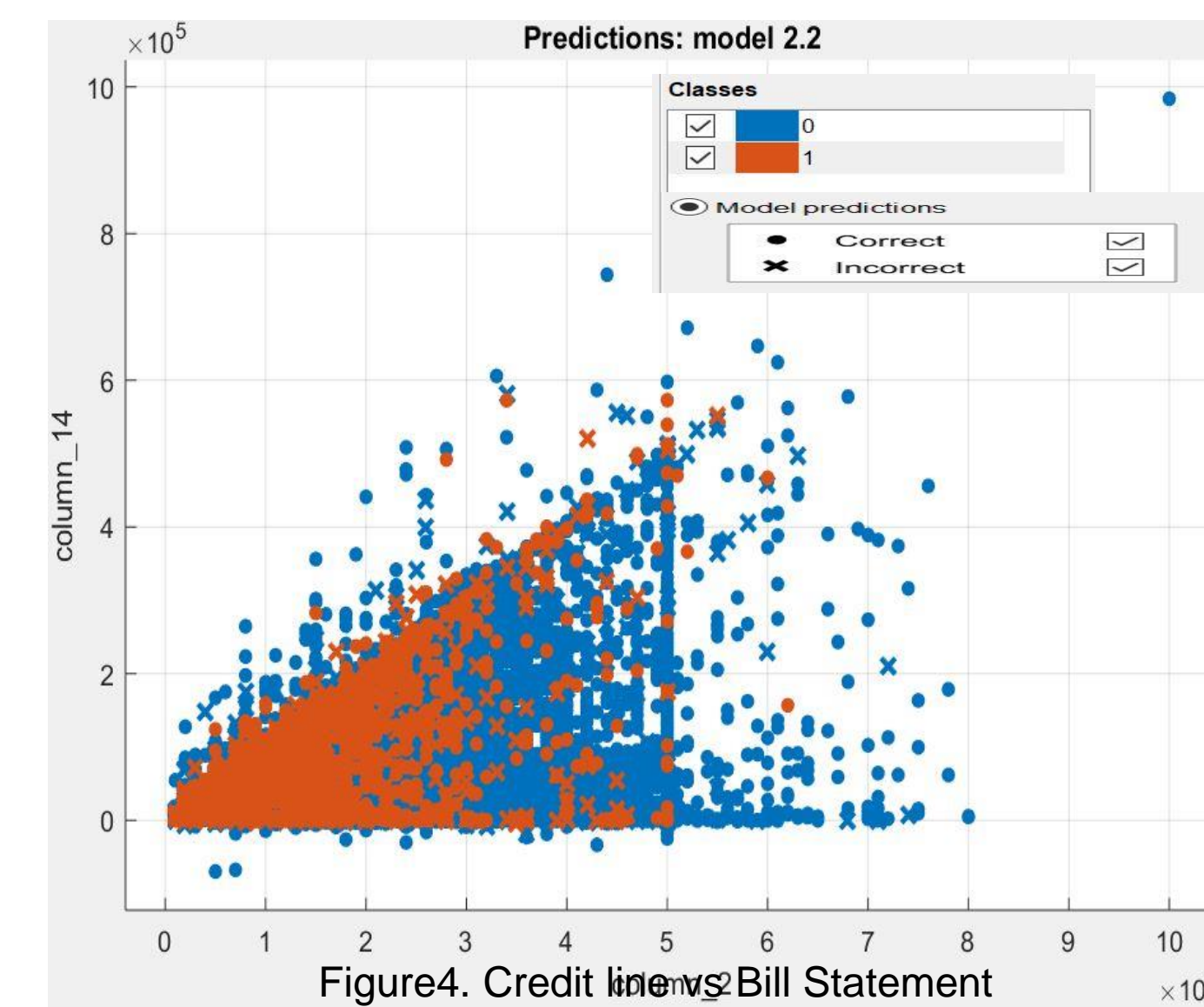


Figure4. Credit line vs Bill Statement

Model shows no relationship between two variables and default credit in Fig.1. These variable are independent from each other and have the correlation 0.

Model shows the relationship between two variables and default credit in Fig.2,3, and 4. Low bill statements, low credit lines and young ages tend to default credit in Taiwan

Analysis methodology:

- Model Using: Decision Medium Tree
- Precision: 82.1%
- Using the scatter plot to investigate which variables are useful for predicting the response.

Decision Medium Tree simply predicts the relationship between variables. Credit lines, bill statements and repayments will be considered for further study.

