

Dear applicant,

Please find the dataset attached. The objective is to use the data (Variable\_1 to Variable\_45) to fit the best possible model and predict the binary “Target” (for the lines 2058 to 2572). Please provide the final model and justification on the choice of the selected model as well as describe the methods used. Coding may be done in either R or Python.

Type	Test Name
ID	country_id
ID	application_id
ID	product_id
Numeric	Variable_1
Numeric	Variable_2
Numeric	Variable_3
Numeric	Variable_4
Categorical	Variable_5
Categorical	Variable_6
Numeric	Variable_7
Date	due_date
Date	first_status_day_date
Date	first_status_time_of_day
Date	paid_date
Numeric	Variable_8
ID	customer_id
Date	arrived_date
Numeric	Variable_9
Numeric	Variable_10
Numeric	Variable_11
Categorical	Variable_12
Ordinal	Variable_13
Ordinal	Variable_14
Numeric	Variable_15
Numeric	Variable_16
Numeric	Variable_17
Numeric	Variable_18
Numeric	Variable_19
Numeric	Variable_20
Numeric	Variable_21
Numeric	Variable_22
Numeric	Variable_23
Numeric	Variable_24
Numeric	Variable_25
Numeric	Variable_26

Numeric	Variable_27
Numeric	Variable_28
Numeric	Variable_29
Numeric	Variable_30
Numeric	Variable_31
Numeric	Variable_32
Numeric	Variable_33
Numeric	Variable_34
Numeric	Variable_35
Numeric	Variable_36
Numeric	Variable_37
Numeric	Variable_38
Numeric	Variable_39
Numeric	Variable_40
Numeric	Variable_41
Date	Variable_42
Date	Variable_43
Date	Variable_44
Categorical	Variable_45
Binary	Target